IP 65 . 67 . 68 9

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

M Series Sensor Connector

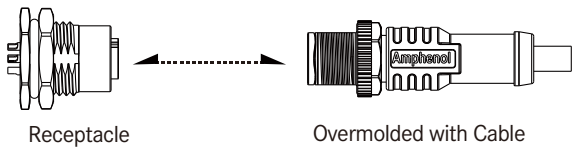






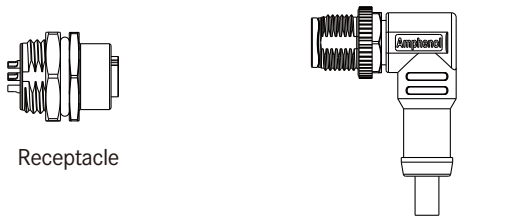
Range Overview

Receptacle to Overmolded with Cable



Receptacle

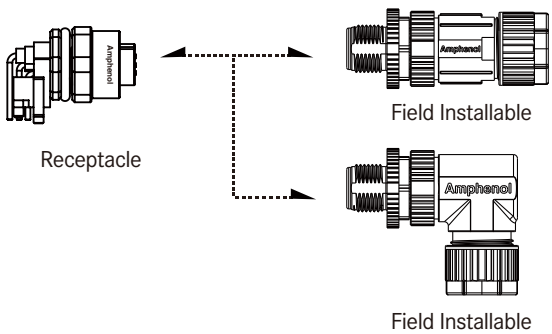
Overmolded with Cable



Receptacle

Overmolded with Cable

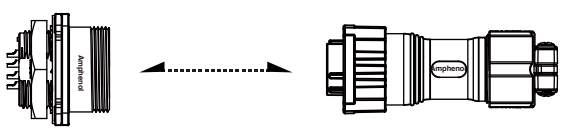
Receptacle to Field Installable



Receptacle

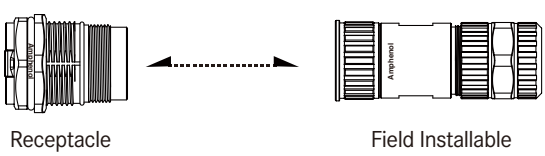
Field Installable

Field Installable



Receptacle

Field Installable



Receptacle

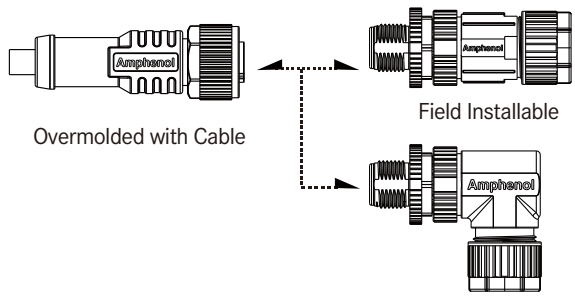
Field Installable

In Line



Overmolded with Cable

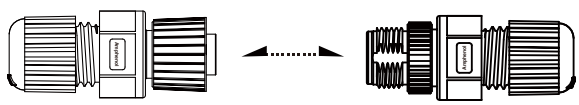
Overmolded with Cable



Overmolded with Cable

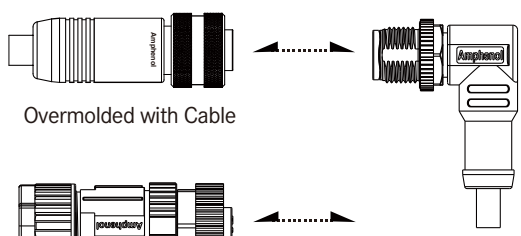
Field Installable

Field Installable



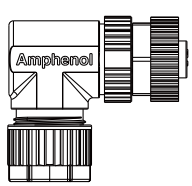
Field Installable

Field Installable

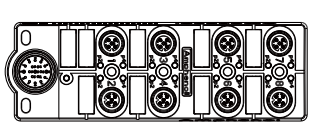


Overmolded with Cable

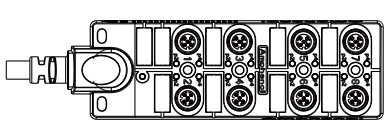
Overmolded with Cable



Distribution Box

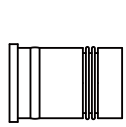


With Homerun Connector

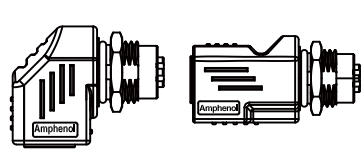


With Cable

Others



Insert



M12 to RJ45 Adaptor

IP 65 . 67 . 68 9

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

Specification | M Sensor Connector

Identifications	M8, M10.5, M12 (A, B, D, S, T, X code), Heavy Duty Shielded Connector, M23
Description	Receptacle Overmolded with Cable Field Installable
Current Rating / Data	1.5A~28A
Operating Voltage	2~4 Pins : 250V 5 Pins : 60V 6 ~12 Pins : 30V
Contact Resistance	≤10mΩ
Voltage Proof	3 ~ 4 Pins : 1.4 KVrms 5 Pins : 1.0 KVrms 6 ~8 Pins : 0.65 KVrms
Waterproof Rating	IP65, IP67~68
Temperature Range	Receptacle: -40°C~105°C Overmolded with Cable: PVC Cable: -20°C~80°C PU Cable: -20°C~85°C Field Installable: -40°C~105°C * Higer working temperature upon request.
Mating Cycle	100*Minimum
Vibration	10 ~ 500 Hz and 0.35 mm
Material	Contacts: Copper Alloy, Gold Plated Connector Body (Housing) : Nylon+GF or PU, UL Recognized Shield: Zinc Alloy or Copper Ally, Nickel Plated
Standard Cable Length	01~99M
Standards	IEC 61076-2-101 IEC 61076-2-104

* Design and specification are subject to change without notice.

Specification | Sensor Passive Distribution Box

Identifications	M8 Distribution Box M12 Distribution Box
Description	With Cable With Homerun Connector
Current Load Per Port	M8 Distribution Box: 2A (Max.) M12 Distribution Box: 4A (Max.)
Current Sum max.	M8 Distribution Box: 6A (Max.) M12 Distribution Box: 12A (Max.)
Operating Voltage	24V DC Nominal (10~30V)
Contact Resistance	<10mΩ
Switching Output	PNP
Power Indicator	LED, Green
Function Indicator	LED, Green
Waterproof Rating	M8 Distribution Box: IP 67 Unmated M12 Distribution Box: IP 67 Mated
Temperature Range	With Cable: -20 °C ~ 80°C With Homerun Connector: -25 °C ~ 90°C
Vibration	10 to 500 Hz and 0.35mm
Material	Conn. Housing: PA66 Box: PBT+PC Contacts: Copper Alloy, Gold Plated O-ring: Silicone Shell: Zinc Die Cast, Nickel Plated
Standard Cable Length	5M,10M,15M, 20M & 30M
Standards	IEC 61076-2-101

IP 65 . 67 . 68 9

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

Ordering Information

1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10

Specification / Size

> M8 Size
(8) M8
(8P) M8, Plastic
(M8S) M8, Shielded

> M8 Size with Key, Guided M8
(8A) M8 with Key
(8AP) M8 with Key, Plastic
(8H) M8 with Key, Power (3A) +Data (1.5A)
(8HP) M8 with Key, Plastic, Power (3A) +Data (1.5A)
(M8AS) M8 with Key, Shielded

> M10.5 Size
(105) M10.5

> M23 Size
(LJ23) Shielded, Salt Spray Test 48H, 28A

> Heavy Duty Shielded Connector (HDSC)
(HB20) Shielded, Salt Spray Test 500H, 10A
(LB20) Shielded, Salt Spray Test 48H, 10A
(HC20) Shielded, Salt Spray Test 500H, 20A
(LC20) Shielded, Salt Spray Test 48H, 20A
(HD20) Shielded, Salt Spray Test 500H, 5A
(LD20) Shielded, Salt Spray Test 48H, 5A

Number of Contacts
02, 03....,14...Contacts
EX. **(02)** = 2 Contacts

Connector Body (Style)

> For Receptacle	> For Overmolded with Cable	> For Field installable
(P) Panel	**(A)** With Strain Relief **(B)** Without Strain Relief	**(B)** Without Strain Relief

Connector (Housing) Gender

(M) Male Connector	**(F)** Female Connector

Contact Gender

(M) Male	**(F)** Female	**(I)** I style (Male+Female)

Assemble Style

> For Receptacle	> For Overmolded with Cable	> For Field Installable
(S) Solder Type	**(M)** Overmolded with Cable	**(A)** Solder Type
(P) 180° PCB Type		**(B)** Screw Type
(R) 90° PCB Type		**(C)** Crimp Type
(C) Crimp Type		**(D)** IDC Type

Mating Style

(S) Screw Thread	**(Q)** Quick

Backshell

> For Receptacle	> For Overmolded with Cable	> For Field installable
(C) Circular, Rear Fastened	**(L)** Straight	**(L)** Straight
(F) Hexagonal, Front Fastened	**(R)** Right Angle	**(R)** Right Angle
(H) Hexagonal, Rear Fastened		
(N) Square, Rear Fastened with Nut		
(W) Square, Front Fastened with Screw		

Waterproof Rating
(5) IP65 (Quick Type)
(7) IP 67
(8) IP 68

More Information

> For Receptacle	> For Receptacle with Wire Harness	> For Overmolded with Cable	> For Field Installable
(001), (002), (003).....	(□)+(■) : Cable Type + Wire Length	(□)+(■) : Cable Type + Cable Length	(001), (002), (003).....
For Different Versions	EX. **(A15)** = UL 1007 Cable + 150mm	EX. **(A01)** = UL2464 Cable + 1M	For Different Versions

(□) : Cable Type	(■) : Wire Length	(□) : Cable Type	(■) : Cable Length
(A) UL 1007 Cable (For M8)	**(15)** 150mm	**(A)** PVC UL2464 Cable	From 1M to 99M
	(30) 300mm	**(B)** PU VW-1 Cable	EX. **(01)** = 1M
	(50) 500mm		
	(A0) 1000mm		
	(A5) 1500mm		

* Design and specification are subject to change without notice.

Ordering Information

1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10

Specification / Size

> A-Coded
(M12A) M12 A-Coded
(MSAP) M12 A-Coded, Plastic
(MSAS) M12 A-Coded, Shielded

> S-Coded
(M12S) M12 S-Coded
(MSSP) M12 S-Coded, Plastic

> B-Coded
(M12B) M12 B-Coded
(MSBP) M12 B-Coded, Plastic
(MSBS) M12 B-Coded, Shielded

> T-Coded
(M12T) M12 T-Coded
(MSTP) M12 T-Coded, Plastic

> D-Coded
(M12D) M12 D-Coded
(MSDP) M12 D-Coded, Plastic
(MSDS) M12 D-Coded, Shielded

> X-Coded
(MSXS) M12 X-Coded, Shielded

Number of Contacts
02, 03....,14...Contacts
EX. **(02)** = 2 Contacts

Connector Body (Style)

> For Receptacle	> For Overmolded with Cable	> For Field installable
(P) Panel	**(A)** With Strain Relief	**(A)** With Strain Relief
	(B) Without Strain Relief	**(B)** Without Strain Relief

Connector (Housing) Gender

(M) Male Connector	**(F)** Female Connector

Contact Gender

(M) Male	**(F)** Female	**(I)** I style (Male+Female)

Assemble Style

> For Receptacle	> For Field Installable	> For Overmolded with Cable
(S) Solder Type	**(A)** Solder Type	**(M)** Overmolded with Cable
(P) 180° PCB Type	**(B)** Screw Type	
(R) 90° PCB Type	**(C)** Crimp Type	
(C) Crimp Type	**(D)** IDC Type	

Mating Style

(S) Screw Thread	**(Q)** Quick

Backshell

> For Receptacle	> For Overmolded with Cable	> For Field Installable
(C) Circular, Rear Fastened	**(L)** Straight	**(L)** Straight
(F) Hexagonal, Front Fastened	**(R)** Right Angle	**(R)** Right Angle
(H) Hexagonal, Rear Fastened		
(N) Square, Rear Fastened with Nut		
(W) Square, Front Fastened with Screw		

Waterproof Rating
(5) IP65 (Quick Type)
(7) IP 67
(8) IP 68

Cable information

> For Receptacle
(001) PG9
(002) M16
(003) M12

> For Receptacle with Wire Harness
(□)+(■) : Wire Type + Wire Length
EX. **(B15)** = UL1061 + 150mm

(□) : Wire Type
(B) UL1061 (For M12-PG9)
(C) UL1061 (For M12-M16

(■) : Cable Length
(15) 150mm
(30) 300mm
(50) 500mm
(A0) 1000
(A5) 1500

> For Overmolded with Cable
(□)+(■) : Cable Type + Cable Length
EX. **(A01)** = PVC UL2517 Yellow Cable + 1M

(□) : Cable Type
(A) PVC UL2517 Yellow Cable
(B) PU UL20549 Cable
(C) CAN Cable
(D) PVC UL2517 Black Cable
(E) Cate 5E Cable(2Pair/4Pair)
(F) F-PVC UL2095 Black Cable
(G) PVC UL 21996, Balck, round cable
(H) PVC UL 21996, Balck, oval cable
(S) AC 630V Cable
(T) DC 60V Cable
(X) Cate 6A Cable

(■) : Cable Length
From 1M to 99M
EX. **(01)** = 1M

> For Field Installable
(001), (002), (003).....
For Different Versions

IP 65 . 67 . 68 9

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

Ordering Information

Specification / Size

> With M8 Connectors	> With M12 Connectors
(DB8) M8 Connector	(DB12) M12 Sensor Connector
(DB8P) M8 Plastic Sensor Connector	(DB12P) M12 Plastic Sensor Connector
(DB8S) M8 Shielded Sensor Connector	(DB12S) M12 Shielded Sensor Connector

Number of Contacts
02, 03....,14...Contacts
EX. (02) = 2 Contacts

Code
(A) A Code
(B) B Code
(C) C Code

Ports
(4) 4 Ports
(6) 6 Ports
(8) 8 Ports

Homerun Connector

(M8) M8 Connector	**(M23)** M23 Connector
(M12) M12 Connector	**(TBK)** Terminal Block
(M16) M16 Connector	**(CAB)** Cable

Signal Output
(0) None
(S) Single
(D) Dual

Switching Output
(0) None
(S) Single
(D) Dual

Mating Style
(L) Lock
(S) Screw
(Q) Quick

Waterproof Rating

(5) IP 65 (Quick Type)	**(7)** IP 67
(6) IP 66	**(8)** IP 68

For More Information
> Without Cable
(001), (002), (003).....
For Different Versions

> With Cable
(□)+(■) : Cable Type + Cable Length
EX. (A01) = PVC UL2517 Cable + 1M

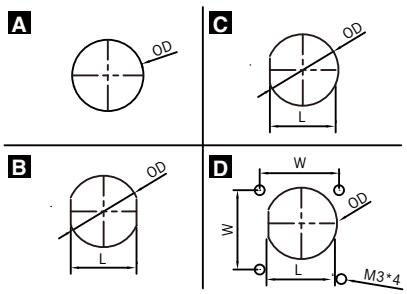
(□) : Cable Type
(A) PVC UL2517 Cable
(B) PU 20549 Cable
(C) Hi-Flex Cable
(D) DeviceNet / NMEA
(E) Ethernet
(F) ProfiBus
(P) ProfiNet

(■) : Cable Length
From 1M to 99M
EX. **(01)** = 1M

Physical Dimension

↘ Receptacle

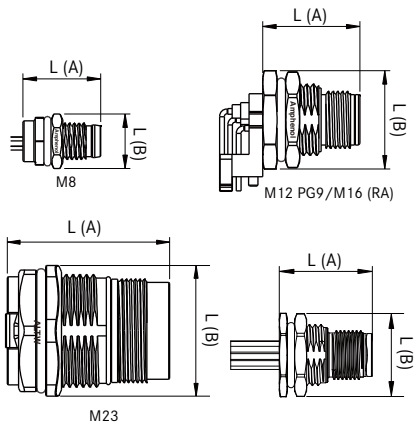
Panel Cut-Out



Size \ Dimension		Type	L / W	OD	Type	L / W	OD
Size	Thread Description	Female			Male		
M105	M10.5 X 0.75	-	-	-	A	-	10.9
M8	M8 X 1.0	B	7.1	8.1	B	7.1	8.1
		-	-	-	A	-	8.1
M12	M12 X 1.0 - PG9	B	13.6	15.4	B	13.6	15.4
	M12 X 1.0 - M16.0 X 1.5	B	13.6	16.1	B	13.6	16.1
	M12.0 X 1.0	B	10.5	12.2	B	10.5	12.2
HDSC*	M22 X 1.0	-	-	-	C	19.2	20.2
		-	-	-	D	19.2 / 23.0	20.2
M23	M23 X 1.0	-	-	-	C	24.4	25.1

*HDSC: Heavy Duty Shielded Connector

Connector Dimension

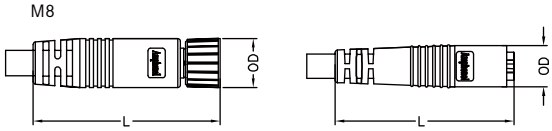


Series		Receptacle				Panel Thickness	
Conn. Gender		Type	Female		Male		
			L (A)	L (B)	L (A)	L (B)	Front Fastened	Rear Fastened
M8		Straight	18.0	13.8	16.4	11.5	3.0 mm Max.	3.5 mm Max.
M105		Straight	-	-	18.0	15.0	-	6.0 mm Max.
M12	PG9/ M16	Straight	20.0	20.6	23.0	20.6	4.5mm Max. 4.0mm Max.(Plastic)	4.5mm Max.
		Right Angle	20.0	20.8	20.5	20.8		
	M12*1.0	Right Angle	16.9	15.0	16.2	15.0	3.0mm Max.	
HDSC*		Straight	-	-	23.5	29.0	9.0mm Min.	5.0 mm Max.
M23		Straight	-	-	36.0	29.0	6.0 mm Max.	-

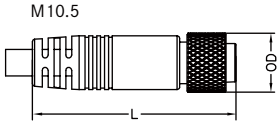
*HDSC: Heavy Duty Shielded Connector

↘ Overmolded with Cable

M8



M10.5



Size \ Dimension		L		OD	
Size	Type	Female	Male	Female	Male
M8	Screw Thread M8 X 1.0	38.1	42.7	10.1	10.5
M8	Snap-In M8 X 1.0	36.5	-	8.4	-
M105	Screw Thread M10.5 X 0.75	37.2	-	12.0	-

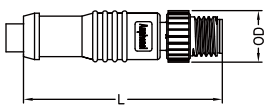
* Design and specification are subject to change without notice.

IP 65 . 67 . 68 9

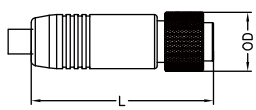
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

Physical Dimension

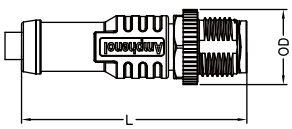
M8

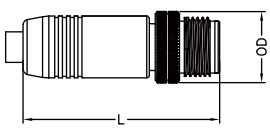


M10.5



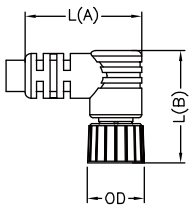
M10.5



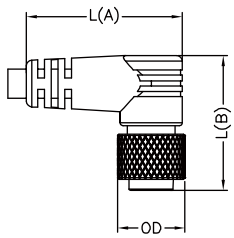


Size \ Dimension		L		OD	
Size	Type	Female	Male	Female	Male
M8	Screw Thread M8 X 1.0	36.0	40.5	10.1	10.5
M10.5	Screw Thread M10.5 X 0.75	37.2	-	12.0	-
M12	Screw Thread M12.0 X 1.0	37.2	-	12.0	-
M12 Shielded	Screw Thread M12.0 X 1.0	39.2	40.1	14.5	14.5

M8

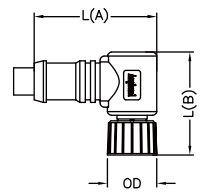


M10.5

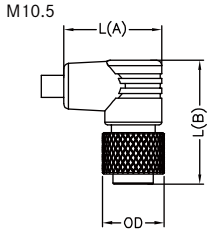


Size \ Dimension		L [A]		L [B]		OD	
Size	Thread Description	Female	Male	Female	Male	Female	Male
M8	M8 X 1.0	24.0	-	24.0	-	12.0	-
M10.5	Screw Thread M10.5 X 0.75	20.7	20.7	20.0	25.5	10.1	10.5

M8

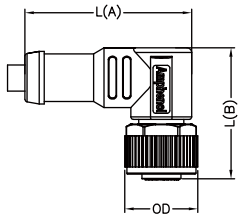


M10.5



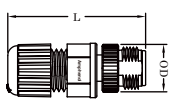
Size \ Dimension		L [A]		L [B]		OD	
Size	Thread Description	Female	Male	Female	Male	Female	Male
M8	M8 X 1.0	24.0	-	24.0	-	12.0	-
M10.5	Screw Thread M10.5 X 0.75	20.7	20.7	20.0	25.5	10.1	10.5

M12

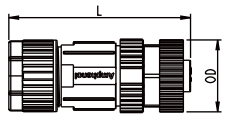


↘ Field Installable

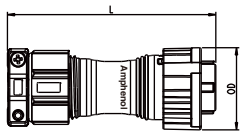
M8



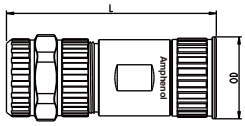
M12



HDSC

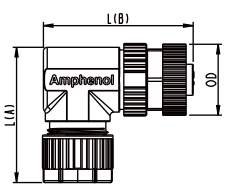


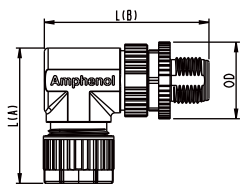
M23



Size \ Dimension		Pin Type	L		OD	
Size	Thread Description		Female	Male	Female	Male
M8	M8 X 1.0	Screw In	55.4	59.1	16.7	16.7
M12 Metal Nut	M12 X 1.0	Solder	40.5	41.8	14.5	14.4
		Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
M12 Plastic	M12 X 1.0	Solder	61.3	61.3	20.8	20.8
		Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
M12 Shielded	M12 X 1.0	Solder	52.0	55.0	18.6	20.1
		Screw	52.0	55.0	18.6	20.1
		IDC	52.0	55.0	18.6	20.1
HDSC*	M22 X 1.0	-	72.5	-	27.7	-
M23	M23 X 1.0	-	73.0	-	28.5	-

*HDSC: Heavy Duty Shielded Connector





Size \ Dimension		Pin Type	L [A]		L [B]		OD	
Size	Thread Description		Female	Male	Female	Male	Female	Male
M12	M12.0 X 1.0	Screw In	38.9	38.9	52.3	52.3	20.8	20.8
M12 Plastic			38.9	38.9	52.3	52.3	20.8	20.8

Dimensions are shown in millimeters

* Design and specification are subject to change without notice.

IP 65 . 67 . 68 9

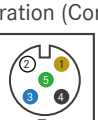
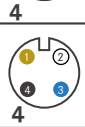
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

Contact Configuration

	M8 (1.5A)	M8 (3A)		M105 (2A)	M12 A Code (3~5P: 4A I 8P: 2A)		M12 B Code (4A)		M12 D Code (4A)		M12 I Style (4A)	
4 5	MM or FF	MM or FF	MM or FF	MF or FM	MM or FF	MF or FM	MM or FF	MF or FM	MM or FF	MF or FM	MMF or FFM	MF or FM
2Pin (02)		R C F		R C								
3Pin (03)		R C F	R C F	R C	R C F		R F		R F			
4Pin (04)		R C F	R C F	R C	R C F		R C F		R C F			
5Pin (05)	R C F			R C	R C F		R C F		R C F		R C F	
6Pin (06)	R C F											
7Pin (07)												
8Pin (08)					R C F							
10Pin (10)												
12Pin (12)												
14Pin (14)												

More to know:

No. of Poles & Contact Configuration (Connection side view)

	3	4	5
Male			
Female			

Color Identification:
1 = Brown, 2 = White, 3 = Blue, 4 = Black, 5 = Green

	8
Male	
Female	

Color Identification:
1 = White, 2 = Brown, 3 = Green, 4 = Yellow, 5 = Gray, 6 = Pink, 7 = Blue, 8 = Red

1 – 2 3 4 5 6 – 7 8 9 10

HDSC* (5A)		HDSC* (10A)		HDSC* (20A)		M23 (28A)	
MM or FF	MF or FM	MM or FF	MF or FM	MM or FF	MF or FM	MM or FF	MF or FM
					R F		
					R F		
			R F				
			R F				
						R F	R F
			R F				
	R F						
	R F						
	R F						

*HDSC: Heavy Duty Shielded Connector

M12 Panel Version	Screw Thread Size	Logo
001	M12XPG9	With Logo
002	M12XPG9	Without Logo
003	M12XM16.0X1.5	With Logo
004	M12XM16.0X1.5	Without Logo
005	M12XM16.0X1.5	Without Logo
006	M12X1.0	With Logo
007	M12X1.0	Without Logo

* Design and specification are subject to change without notice.

R: receptacle
C: overmolded with cable
F: field installable

1

- 1.5A **(M8)**
- 2A **(M105/M12 A)**
- 3A **(M8)**
- 4A **(M12 A/M12 B/M12 D/ M12 I Style)**
- 5A **(HDSC*)**
- 10A **(HDSC*)**
- 20A **(HDSC*)**
- 28A **(M23)**

Contact Number: **2**

Ex.2 contacts **(02)**

Connector (Housing) Gender: **4**

Male**(M)** or Female**(F)**

Contact Gender: **5**

Male**(M)** or Female**(F)**
Male + Female **(I)**

More to Choose: **6**

- Solder **(S)**
  - Solder Cup



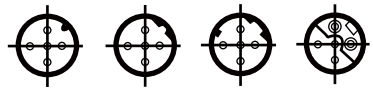
- PCB Type
  - 90° PCB **(R)**
  - 180° PCB **(P)**





More to know:

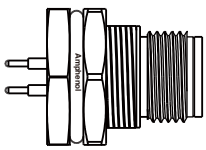
A-Code B-Code D-Code I-Style



IP 65 . 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

Product Features

↘ Receptacle



Mating Style 7



Screw Thread **(S)**

Backshell 8



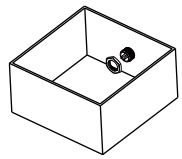
Circular **(C)**



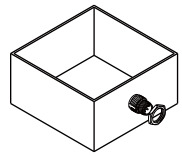
Square **(N)(W)**



Hexagonal **(H)(F)**

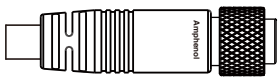


Rear Fastened

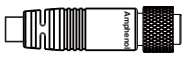


Front Fastened **(P)**

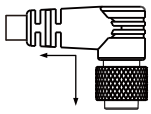
↘ Overmolded with Cable



Backshell 8



Straight **(L)**



Right Angle **(R)**

Mating Style 7

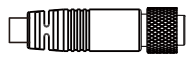


Screw Thread **(S)**
(For M12)

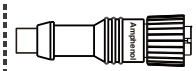


Quick **(Q)**
(For M8)

Connector Body(Style) 3

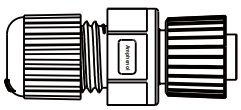


With Strain Relief **(A)**



Without Strain Relief **(B)**

↘ Field Installable

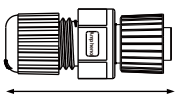


Mating Style 7

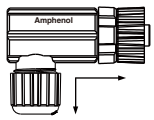


Screw Thread **(S)**

Backshell 8

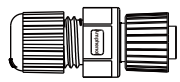


Straight **(L)**



Right Angle **(R)**

Connector Body(Style) 3

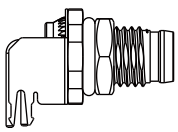
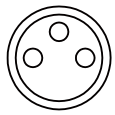


Without Strain Relief **(B)**

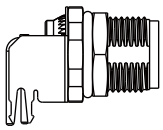
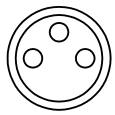
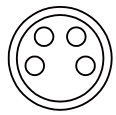
1 – 2 3 4 5 6 – 7 8 9 10

Find Our Standard Products

↘ M8 (Shielded) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal		
Type	4A/60V	4A/30V
PCB Pin	M8S-03PMMR-SF8001	M8S-04PMMR-SF8001

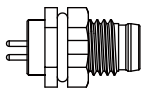
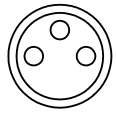
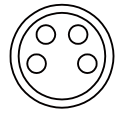
↘ M8 (Shielded) > Receptacle > Female Connector > Rear Fastened

 Backshell: Hexagonal		
Type	4A/60V	4A/30V
PCB Pin	M8S-03PFFR-SF8001	M8S-04PFFR-SF8001

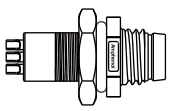
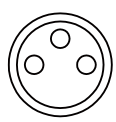
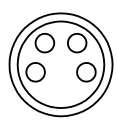
* Design and specification are subject to change without notice.

IP 65 . 67 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

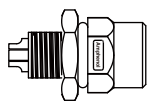
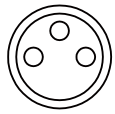
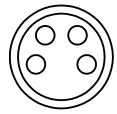
↘ M8 (Metal Nut) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal		
Type	3A/60V	3A/30V
PCB Pin	8-03PMMP-SF7001 8-03PMMP-SF7002	8-04PMMP-SF7001 8-04PMMP-SF7002
Solder Pin	8-03PMMS-SF7001 8-03PMMS-SF7002	8-04PMMS-SF7001 8-04PMMS-SF7002

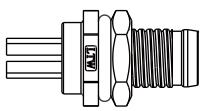
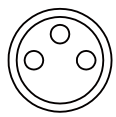
↘ M8 (Metal Nut) > Receptacle > Male Connector > Rear Fastened

 Backshell: Hexagonal		
Type	3A/60V	3A/30V
PCB Pin	8-03PMMP-SH7001	8-04PMMP-SH7001
Solder Pin	8-03PMMS-SH7001 8-03PMMS-SH7002	8-04PMMS-SH7001 8-04PMMS-SH7002

↘ M8 (Metal Nut) > Receptacle > Female Connector > Rear Fastened

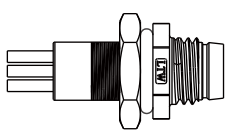
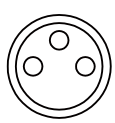
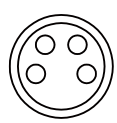
 Backshell: Hexagonal		
Type	3A/60V	3A/30V
Solder Pin	8-03PFFS-SH7001 8-03PFFS-SH7002	8-04PFFS-SH7001 8-04PFFS-SH7002

↘ M8 (Metal Nut) > Receptacle with Wires > Male Connector > Front Fastened

 Backshell: Hexagonal		
Wire Length (UL1007)*	3A/60V	3A/30V
150mm	8-03PMMS-SF7A15	8-04PMMS-SF7A15
300mm	8-03PMMS-SF7A30	8-04PMMS-SF7A30
500mm	8-03PMMS-SF7A50	8-04PMMS-SF7A50
1000mm	8-03PMMS-SF7AA0	8-04PMMS-SF7AA0
1500mm	8-03PMMS-SF7AA5	8-04PMMS-SF7AA5

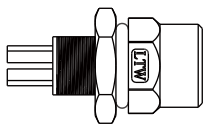
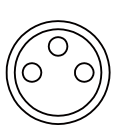
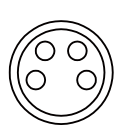
* Other wire types are available upon request

↘ M8 (Metal Nut) > Receptacle with Wires > Male Connector > Rear Fastened

 Backshell: Hexagonal		
Wire Length (UL1007)*	3A/60V	3A/30V
150mm	8-03PMMS-SH7A15	8-04PMMS-SH7A15
300mm	8-03PMMS-SH7A30	8-04PMMS-SH7A30
500mm	8-03PMMS-SH7A50	8-04PMMS-SH7A50
1000mm	8-03PMMS-SH7AA0	8-04PMMS-SH7AA0
1500mm	8-03PMMS-SH7AA5	8-04PMMS-SH7AA5

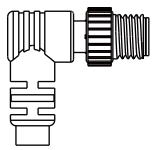
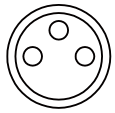
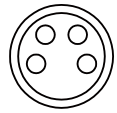
* Other wire types are available upon request

↘ M8 (Metal Nut) > Receptacle with Wires > Female Connector > Rear Fastened

 Backshell: Hexagonal		
Wire Length (UL1007)*	3A/60V	3A/30V
150mm	8-03PFFS-SH7A15	8-04PFFS-SH7A15
300mm	8-03PFFS-SH7A30	8-04PFFS-SH7A30
500mm	8-03PFFS-SH7A50	8-04PFFS-SH7A50
1000mm	8-03PFFS-SH7AA0	8-04PFFS-SH7AA0
1500mm	8-03PFFS-SH7AA5	8-04PFFS-SH7AA5

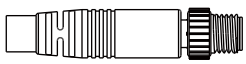
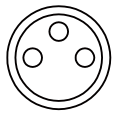
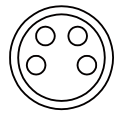
* Other wire types are available upon request

↘ M8 (Metal Nut) > Overmolded with cable > Male Connector > Right Angle

		
Type	3A/60V	3A/30V
With Strain Relief	8-03AMMM-SR7XXX*	8-04AMMM-SR7XXX*
Without Strain Relief	8-03BMMM-SR7XXX*	8-04BMMM-SR7XXX*

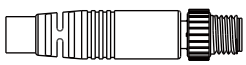
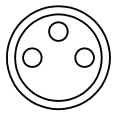
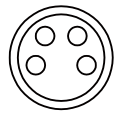
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M8 (Metal Nut) > Overmolded with cable > Male Connector > Straight

		
Type	3A/60V	3A/30V
With Strain Relief	8-03AMMM-SL7XXX*	8-04AMMM-SL7XXX*
Without Strain Relief	8-03BMMM-SL7XXX*	8-04BMMM-SL7XXX*

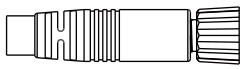
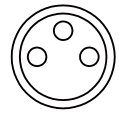
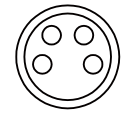
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M8 (Metal Nut) > Overmolded with cable > Female Connector > Right Angle

		
Type	3A/60V	3A/30V
With Strain Relief	8-03AFFM-SR7XXX*	8-04AFFM-SR7XXX*
Without Strain Relief	8-03BFFM-SR7XXX*	8-04BFFM-SR7XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

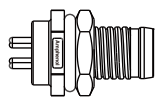
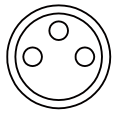
↘ M8 (Metal Nut) > Overmolded with cable > Female Connector > Straight

		
Type	3A/60V	3A/30V
With Strain Relief	8-03AFFM-SL77XXX*	8-03AFFM-SL77XXX*
Without Strain Relief	8-03BFFM-SL7XXX*	8-03BFFM-SL7XXX*

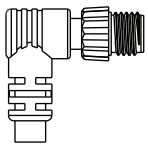
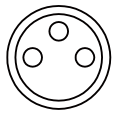
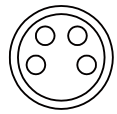
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

* Design and specification are subject to change without notice.

↘ M8 (Plastic) > Receptacle > Male Connector > Front Fastened

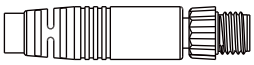
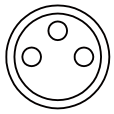
		
Type	3A/60V	3A/30V
PCB Pin	8P-03PMMP-SF7001	8P-03PMMP-SF7001
Solder Pin	8P-03PMMS-SF7001	8P-03PMMS-SF7001

↘ M8 (Plastic) > Overmolded with cable > Male Connector > Right Angle

		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AMMM-SR7XXX*	8P-03AMMM-SR7XXX*
Without Strain Relief	8P-03BMMM-SR7XXX*	8P-03BMMM-SR7XXX*

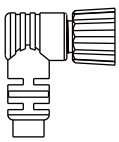
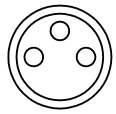
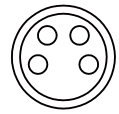
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M8 (Plastic) > Overmolded with cable > Male Connector > Straight

		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AMMM-SL7XXX*	8P-03AMMM-SL7XXX*
Without Strain Relief	8P-03BMMM-SL7XXX*	8P-03BMMM-SL7XXX*

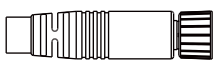
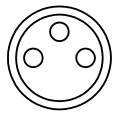
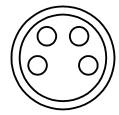
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M8 (Plastic) > Overmolded with cable > Female Connector > Right Angle

		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AFFM-SR7XXX*	8P-03AFFM-SR7XXX*
Without Strain Relief	8P-03BFFM-SR7XXX*	8P-03BFFM-SR7XXX*

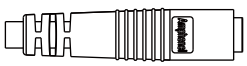
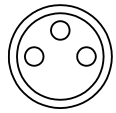
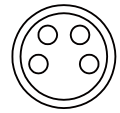
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M8 (Plastic) > Overmolded with cable > Female Connector > Straight

		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AFFM-SL7XXX*	8P-03AFFM-SL7XXX*
Without Strain Relief	8P-03BFFM-SL7XXX*	8P-03BFFM-SL7XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M8 (Plastic) > Overmolded with cable > Female Connector > Straight > Snap-In

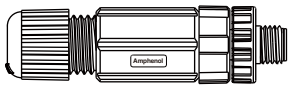
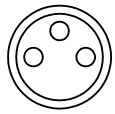
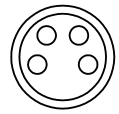
		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AFFM-QL5XXX*	8P-03AFFM-QL5XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

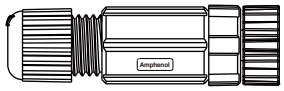
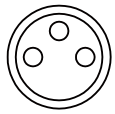
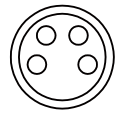
* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

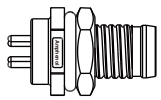
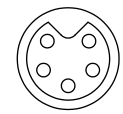
↘ M8 (Plastic) > Field Installable > Male Connector > Straight

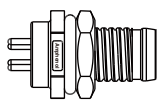
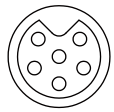
			
Type	Contact Type	3A/60V	3A/30V
Without Strain Relief	Screw-in	8P-03BMMB-SL7001	8P-04BMMB-SL7001

↘ M8 (Plastic) > Field Installable > Female Connector > Straight

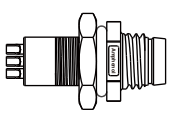
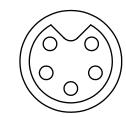
			
Type	Contact Type	3A/60V	3A/30V
Without Strain Relief	Screw-in	8P-03BFFB-SL7001	8P-04BFFB-SL7001

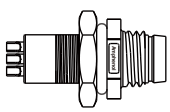
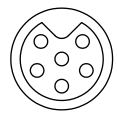
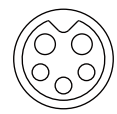
↘ Guided M8 (G8) (Metal Nut) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin	8A-02PMMP-SF7001	8A-03PMMP-SF7001	8A-04PMMP-SF7001	8A-05PMMP-SF7001
Solder Pin	8A-02PMMS-SF7001	8A-03PMMS-SF7001	8A-04PMMS-SF7001	8A-05PMMS-SF7001

 Backshell: Hexagonal		 Hybrid
Type	1.5A/30V	3A+1.5A/30V
PCB Pin	8A-06PMMP-SF7001	8H-05PMMP-SF7001
Solder Pin	8A-06PMMS-SF7001	8H-05PMMS-SF7001

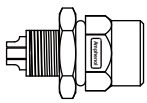
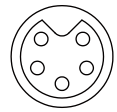
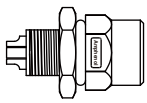
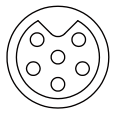
↘ Guided M8 (G8) (Metal Nut) > Receptacle > Male Connector > Rear Fastened

 Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8A-02PMMS-SH7001	8A-03PMMS-SH7001	8A-04PMMS-SH7001	8A-05PMMS-SH7002

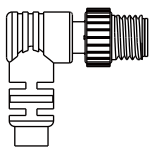
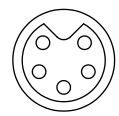
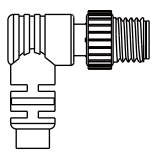
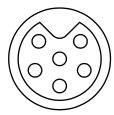
 Backshell: Hexagonal		 Hybrid
Type	1.5A/30V	3A+1.5A/30V
Solder Pin	8A-06PMMS-SH7002	8H-05PMMS-SH7001

* Design and specification are subject to change without notice.

↘ Guided M8 (G8) (Metal Nut) > Receptacle > Female Connector > Rear Fastened

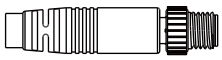
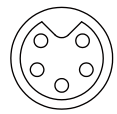
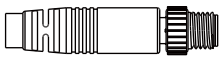
 Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8A-02PFFS-SH7001	8A-03PFFS-SH7001	8A-04PFFS-SH7001	8A-05PFFS-SH7001
 Backshell: Hexagonal		 Hybrid		
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8A-06PFFS-SH7001	8H-05PFFS-SH7001		

↘ Guided M8 (G8) (Metal Nut) > Overmolded with cable > Male Connector > Right Angle

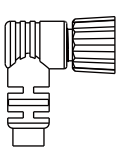
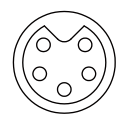
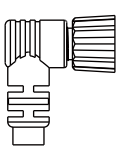
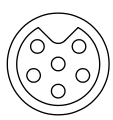
				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8A-02AMMM-SR7XXX*	8A-03AMMM-SR7XXX*	8A-04AMMM-SR7XXX*	8A-05AMMM-SR7XXX*
		 Hybrid		
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8A-06AMMM-SR7XXX*	8H-05AMMM-SR7XXX*		

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ Guided M8 (G8) (Metal Nut) > Overmolded with cable > Male Connector > Straight

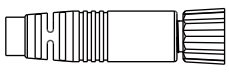
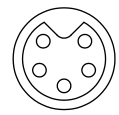
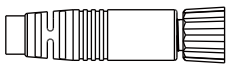
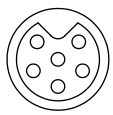
				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8A-02AMMM-SL7XXX*	8A-03AMMM-SL7XXX*	8A-04AMMM-SL7XXX*	8A-05AMMM-SL7XXX*
		 Hybrid	* XXX: Choose the cable type and length: - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10) - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)	
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8A-06AMMM-SL7XXX*	8H-05AMMM-SL7XXX*		

↘ Guided M8 (G8) (Metal Nut) > Overmolded with cable > Female Connector > Right Angle

				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8A-02AMMM-SR7XXX*	8A-03AMMM-SR7XXX*	8A-04AMMM-SR7XXX*	8A-05AMMM-SR7XXX*
		 Hybrid	* XXX: Choose the cable type and length: - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10) - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)	
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8A-06AMMM-SR7XXX*	8H-05AMMM-SR7XXX*		

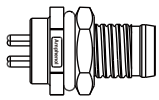
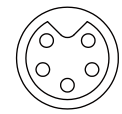
* Design and specification are subject to change without notice.

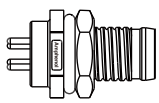
↘ Guided M8 (G8) (Metal Nut) > Overmolded with cable > Female Connector > Straight

				 Hybrid
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8A-02AFFM-SL7XXX*	8A-03AFFM-SL7XXX*	8A-04AFFM-SL7XXX*	8A-05AFFM-SL7XXX*
		 Hybrid		
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8A-05AFFM-SL7XXX*	8H-02AFFM-SL7XXX*		

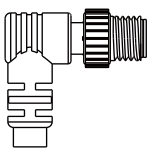
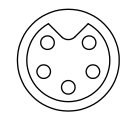
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

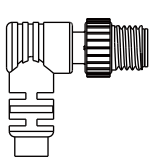
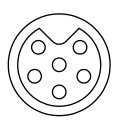
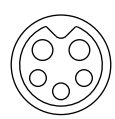
↘ Guided M8 (G8) (Plastic) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin	8AP-02PMMP-SF7001	8AP-03PMMP-SF7001	8AP-04PMMP-SF7001	8AP-05PMMP-SF7001
Solder Pin	8AP-02PMMS-SF7001	8AP-03PMMS-SF7001	8AP-04PMMS-SF7001	8AP-05PMMS-SF7001

 Backshell: Hexagonal		 Hybrid
Type	1.5A/30V	3A+1.5A/30V
PCB Pin	8AP-06PMMP-SF7001	8HP-05PMMP-SF7001
Solder Pin	8AP-06PMMS-SF7001	8HP-05PMMS-SF7001

↘ Guided M8 (G8) (Plastic) > Overmolded with cable > Male Connector > Right Angle

				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8AP-02AMMM-SR7XXX*	8AP-03AMMM-SR7XXX*	8AP-04AMMM-SR7XXX*	8AP-05AMMM-SR7XXX*

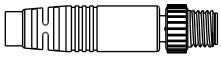
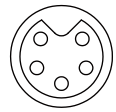
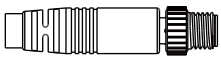
		 Hybrid
Type	1.5A/30V	3A+1.5A/30V
Solder Pin	8AP-06AMMM-SR7XXX*	8HP-05AMMM-SR7XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

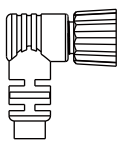
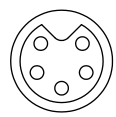
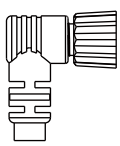
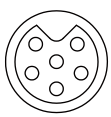
* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

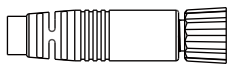
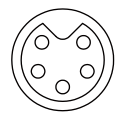
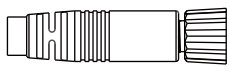
↘ Guided M8 (G8) (Plastic) > Overmolded with cable > Male Connector > Straight

				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8AP-02AMMM-SL7XXX*	8AP-03AMMM-SL7XXX*	8AP-04AMMM-SL7XXX*	8AP-05AMMM-SL7XXX*
		 Hybrid	* XXX: Choose the cable type and length: - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10) - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)	
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8AP-06AMMM-SL7XXX*	8HP-05AMMM-SL7XXX*		

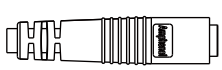
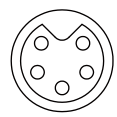
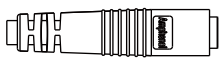
↘ Guided M8 (G8) (Plastic) > Overmolded with cable > Female Connector > Right Angle

				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8AP-02AMMM-SR7XXX*	8AP-03AMMM-SR7XXX*	8AP-04AMMM-SR7XXX*	8AP-05AMMM-SR7XXX*
		 Hybrid	* XXX: Choose the cable type and length: - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10) - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)	
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8AP-06AMMM-SR7XXX*	8HP-05AMMM-SR7XXX*		

↘ Guided M8 (G8) (Plastic) > Overmolded with cable > Female Connector > Straight

				 Hybrid
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8AP-02AFFM-SL7XXX*	8AP-03AFFM-SL7XXX*	8AP-04AFFM-SL7XXX*	8AP-05AFFM-SL7XXX*
		 Hybrid	* XXX: Choose the cable type and length: - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10) - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)	
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8AP-05AFFM-SL7XXX*	8HP-02AFFM-SL7XXX*		

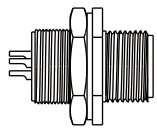
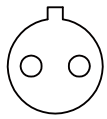
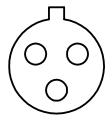
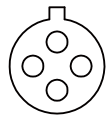
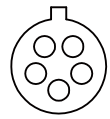
↘ Guided M8 (G8) (Plastic) > Overmolded with cable > Female Connector > Straight > Snap-In

				 Hybrid
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8P-02AFFM-SL7XXX*	8P-03AFFM-SL7XXX*	8P-04AFFM-SL7XXX*	8P-05AFFM-SL7XXX*
		 Hybrid	* XXX: Choose the cable type and length: - PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10) - PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)	
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8P-05AFFM-SL7XXX*	8HP-02AFFM-SL7XXX*		

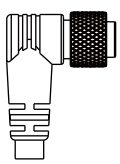
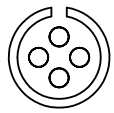
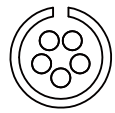
* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M10.5 (Metal) > Receptacle > Male Connector > Rear Fastened

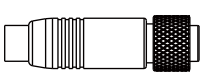
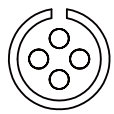
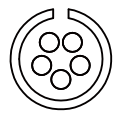
 Backshell: Hexagonal Backshell: Circular				
Type	2 Contacts	3 Contacts	4 Contacts	5 Contacts
Backshell: Hexagonal Solder Pin (180°)	105-02PMFS-SH7001	105-03PMFS-SH7001	105-04PMFS-SH7001	105-05PMFS-SH7001
Backshell: Circular Solder Pin (180°)	105-02PMFS-SC7001	105-03PMFS-SC7001	105-04PMFS-SC7001	105-05PMFS-SC7001

↘ M10.5 (Metal) > Overmolded with cable > Male Connector > Right Angle

				
Type	2 Contacts	3 Contacts	4 Contacts	5 Contacts
With Strain Relief	105-02AFMM-SR7AXXX*	105-03AFMM-SR7AXXX*	105-04AFMM-SR7AXXX*	105-05AFMM-SR7AXXX*
Without Strain Relief	105-02BFMM-SR7AXXX*	105-03BFMM-SR7AXXX*	105-04BFMM-SR7AXXX*	105-05BFMM-SR7AXXX*

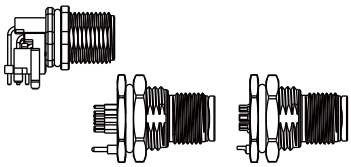
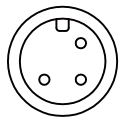
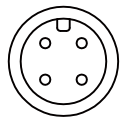
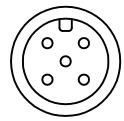
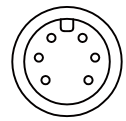
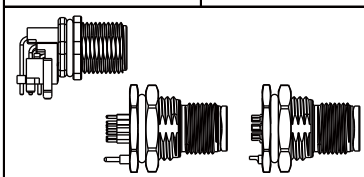
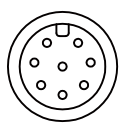
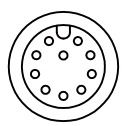
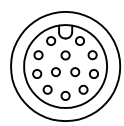
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M10.5 (Metal) > Overmolded with cable > Male Connector > Straight

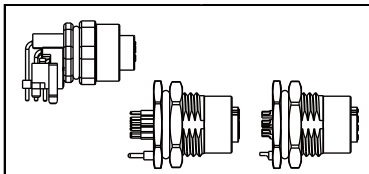
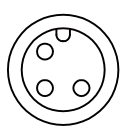
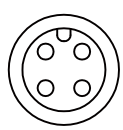
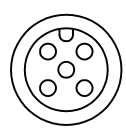
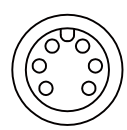
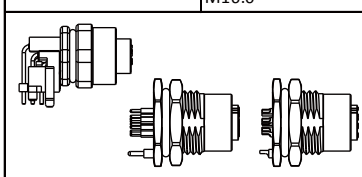
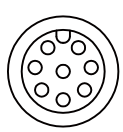
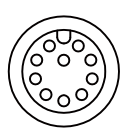
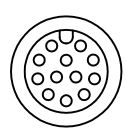
				
Type	2 Contacts	3 Contacts	4 Contacts	5 Contacts
With Strain Relief	105-02AFMM-SL7AXXX*	105-03AFMM-SL7AXXX*	105-04AFMM-SL7AXXX*	105-05AFMM-SL7AXXX*
Without Strain Relief	105-02BFMM-SL7AXXX*	105-03BFMM-SL7AXXX*	105-04BFMM-SL7AXXX*	105-05BFMM-SL7AXXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M12 A-coding (Shielded) > Receptacle > Male Connector > Front Fastened

					
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	PG9	MSAS-03PMMP-SF8001	MSAS-04PMMP-SF8001	MSAS-05PMMP-SF8001	MSAS-06PMMP-SF8001
	M16.0	MSAS-03PMMP-SF8002	MSAS-04PMMP-SF8002	MSAS-05PMMP-SF8002	MSAS-06PMMP-SF8002
PCB Pin (90°)	M12	MSAS-03PMMR-SF7003	MSAS-04PMMR-SF7003	MSAS-05PMMR-SF7003	-
Solder Pin (180°)	PG9	MSAS-03PMMS-SF8001	MSAS-04PMMS-SF8001	MSAS-05PMMS-SF8001	MSAS-06PMMS-SF8001
	M16.0	MSAS-03PMMS-SF8002	MSAS-04PMMS-SF8002	MSAS-05PMMS-SF8002	MSAS-06PMMS-SF8002
					
Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V	
PCB Pin (180°)	PG9	MSAS-08PMMP-SF8001	MSAS-10PMMP-SF8001	MSAS-12PMMP-SF8001	
	M16.0	MSAS-08PMMP-SF8002	MSAS-10PMMP-SF8002	MSAS-12PMMP-SF8002	
PCB Pin (90°)	M12	MSAS-08PMMR-SF7003	-	-	
Solder Pin (180°)	PG9	MSAS-08PMMS-SF8001	MSAS-10PMMS-SF8001	MSAS-12PMMS-SF8001	
	M16.0	MSAS-08PMMS-SF8002	MSAS-10PMMS-SF8002	MSAS-12PMMS-SF8002	

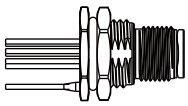
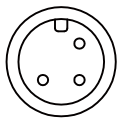
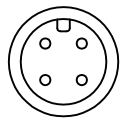
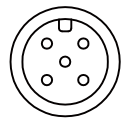
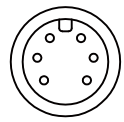
↘ M12 A-coding (Shielded) > Receptacle > Female Connector > Front Fastened

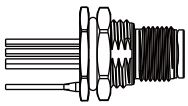
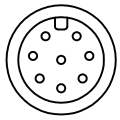
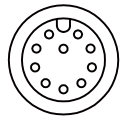
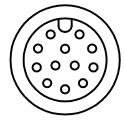
					
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	PG9	MSAS-03PFFP-SF8001	MSAS-04PFFP-SF8001	MSAS-05PFFP-SF8001	MSAS-06PFFP-SF8001
	M16.0	MSAS-03PFFP-SF8002	MSAS-04PFFP-SF8002	MSAS-05PFFP-SF8002	MSAS-06PFFP-SF8002
PCB Pin (90°)	M12	MSAS-03PFFR-SF7003	MSAS-04PFFR-SF7003	MSAS-05PFFR-SF7003	-
Solder Pin (180°)	PG9	MSAS-03PFFS-SF8001	MSAS-04PFFS-SF8001	MSAS-05PFFS-SF8001	MSAS-06PFFS-SF8001
	M16.0	MSAS-03PFFS-SF8002	MSAS-04PFFS-SF8002	MSAS-05PFFS-SF8002	MSAS-06PFFS-SF8002
					
Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V	
PCB Pin (180°)	PG9	MSAS-08PFFP-SF8001	MSAS-10PFFP-SF8001	MSAS-12PFFP-SF8001	
	M16.0	MSAS-08PFFP-SF8002	MSAS-10PFFP-SF8002	MSAS-12PFFP-SF8002	
PCB Pin (90°)	M12	MSAS-08PFFR-SF7003	-	-	
Solder Pin (180°)	PG9	MSAS-08PFFS-SF8001	MSAS-10PFFS-SF8001	MSAS-12PFFS-SF8001	
	M16.0	MSAS-08PFFS-SF8002	MSAS-10PFFS-SF8002	MSAS-12PFFS-SF8002	

* Design and specification are subject to change without notice.

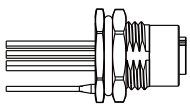
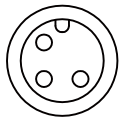
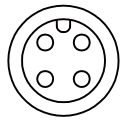
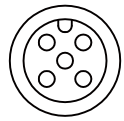
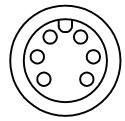
IP 65 . 67 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

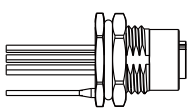
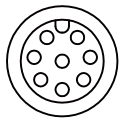
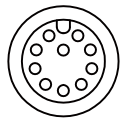
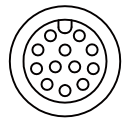
↘ M12 A-coding (Shielded) > Receptacle with Wire Harness > Male Connector > Front Fastened

 Backshell: Hexagonal					
Wire Length (UL1061)*	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
150mm	PG9	MSAS-03PMMC-SF8B15	MSAS-04PMMC-SF8B15	MSAS-05PMMC-SF8B15	MSAS-06PMM5-SF8B15
	M16.0	MSAS-03PMMC-SF8C15	MSAS-04PMMC-SF8C15	MSAS-05PMMC-SF8C15	MSAS-06PMM5-SF8C15
300mm	PG9	MSAS-03PMMC-SF8B30	MSAS-04PMMC-SF8B30	MSAS-05PMMC-SF8B30	MSAS-06PMM5-SF8B30
	M16.0	MSAS-03PMMC-SF8C30	MSAS-04PMMC-SF8C30	MSAS-05PMMC-SF8C30	MSAS-06PMM5-SF8C30
500mm	PG9	MSAS-03PMMC-SF8B50	MSAS-04PMMC-SF8B50	MSAS-05PMMC-SF8B50	MSAS-06PMM5-SF8B50
	M16.0	MSAS-03PMMC-SF8C50	MSAS-04PMMC-SF8C50	MSAS-05PMMC-SF8C50	MSAS-06PMM5-SF8C50
1000mm	PG9	MSAS-03PMMC-SF8BA0	MSAS-04PMMC-SF8BA0	MSAS-05PMMC-SF8BA0	MSAS-06PMM5-SF8BA0
	M16.0	MSAS-03PMMC-SF8CA0	MSAS-04PMMC-SF8CA0	MSAS-05PMMC-SF8CA0	MSAS-06PMM5-SF8CA0
1500mm	PG9	MSAS-03PMMC-SF8BA5	MSAS-04PMMC-SF8BA5	MSAS-05PMMC-SF8BA5	MSAS-06PMM5-SF8BA5
	M16.0	MSAS-03PMMC-SF8CA5	MSAS-04PMMC-SF8CA5	MSAS-05PMMC-SF8CA5	MSAS-06PMM5-SF8CA5

 Backshell: Hexagonal				
Wire Length (UL1061)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
150mm	PG9	MSAS-03PMMS-SF8B15	MSAS-03PMMS-SF8B15	MSAS-03PMMS-SF8B15
	M16.0	MSAS-03PMMS-SF8C15	MSAS-03PMMS-SF8C15	MSAS-03PMMS-SF8C15
300mm	PG9	MSAS-03PMMS-SF8B30	MSAS-03PMMS-SF8B30	MSAS-03PMMS-SF8B30
	M16.0	MSAS-03PMMS-SF8C30	MSAS-03PMMS-SF8C30	MSAS-03PMMS-SF8C30
500mm	PG9	MSAS-03PMMS-SF8B50	MSAS-03PMMS-SF8B50	MSAS-03PMMS-SF8B50
	M16.0	MSAS-03PMMS-SF8C50	MSAS-03PMMS-SF8C50	MSAS-03PMMS-SF8C50
1000mm	PG9	MSAS-03PMMS-SF8BA0	MSAS-03PMMS-SF8BA0	MSAS-03PMMS-SF8BA0
	M16.0	MSAS-03PMMS-SF8CA0	MSAS-03PMMS-SF8CA0	MSAS-03PMMS-SF8CA0
1500mm	PG9	MSAS-03PMMS-SF8BA5	MSAS-03PMMS-SF8BA5	MSAS-03PMMS-SF8BA5
	M16.0	MSAS-03PMMS-SF8CA5	MSAS-03PMMS-SF8CA5	MSAS-03PMMS-SF8CA5

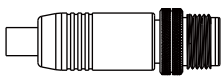
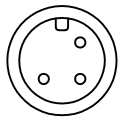
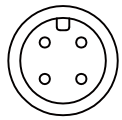
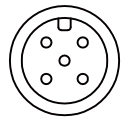
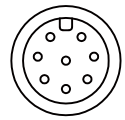
↘ M12 A-coding (Shielded) > Receptacle with Wire Harness > Female Connector > Front Fastened

 Backshell: Hexagonal					
Wire Length (UL1061)*	Mounting Thread	4A/250V	4A/250V	4A/250V	2A / 30V
150mm	PG9	MSAS-03PFFC-SF8B15	MSAS-04PFFC-SF8B15	MSAS-05PFFC-SF8B15	MSAS-06PFF5-SF8B15
	M16.0	MSAS-03PFFC-SF8C15	MSAS-04PFFC-SF8C15	MSAS-05PFFC-SF8C15	MSAS-06PFF5-SF8C15
300mm	PG9	MSAS-03PFFC-SF8B30	MSAS-04PFFC-SF8B30	MSAS-05PFFC-SF8B30	MSAS-06PFF5-SF8B30
	M16.0	MSAS-03PFFC-SF8C30	MSAS-04PFFC-SF8C30	MSAS-05PFFC-SF8C30	MSAS-06PFF5-SF8C30
500mm	PG9	MSAS-03PFFC-SF8B50	MSAS-04PFFC-SF8B50	MSAS-05PFFC-SF8B50	MSAS-06PFF5-SF8B50
	M16.0	MSAS-03PFFC-SF8C50	MSAS-04PFFC-SF8C50	MSAS-05PFFC-SF8C50	MSAS-06PFF5-SF8C50
1000mm	PG9	MSAS-03PFFC-SF8BA0	MSAS-04PFFC-SF8BA0	MSAS-05PFFC-SF8BA0	MSAS-06PFF5-SF8BA0
	M16.0	MSAS-03PFFC-SF8CA0	MSAS-04PFFC-SF8CA0	MSAS-05PFFC-SF8CA0	MSAS-06PFF5-SF8CA0
1500mm	PG9	MSAS-03PFFC-SF8BA5	MSAS-04PFFC-SF8BA5	MSAS-05PFFC-SF8BA5	MSAS-06PFF5-SF8BA5
	M16.0	MSAS-03PFFC-SF8CA5	MSAS-04PFFC-SF8CA5	MSAS-05PFFC-SF8CA5	MSAS-06PFF5-SF8CA5

 Backshell: Hexagonal				
Wire Length (UL1061)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
150mm	PG9	MSAS-03PFFS-SF8B15	MSAS-03PFFS-SF8B15	MSAS-03PFFS-SF8B15
	M16.0	MSAS-03PFFS-SF8C15	MSAS-03PFFS-SF8C15	MSAS-03PFFS-SF8C15
300mm	PG9	MSAS-03PFFS-SF8B30	MSAS-03PFFS-SF8B30	MSAS-03PFFS-SF8B30
	M16.0	MSAS-03PFFS-SF8C30	MSAS-03PFFS-SF8C30	MSAS-03PFFS-SF8C30
500mm	PG9	MSAS-03PFFS-SF8B50	MSAS-03PFFS-SF8B50	MSAS-03PFFS-SF8B50
	M16.0	MSAS-03PFFS-SF8C50	MSAS-03PFFS-SF8C50	MSAS-03PFFS-SF8C50
1000mm	PG9	MSAS-03PFFS-SF8BA0	MSAS-03PFFS-SF8BA0	MSAS-03PFFS-SF8BA0
	M16.0	MSAS-03PFFS-SF8CA0	MSAS-03PFFS-SF8CA0	MSAS-03PFFS-SF8CA0
1500mm	PG9	MSAS-03PFFS-SF8BA5	MSAS-03PFFS-SF8BA5	MSAS-03PFFS-SF8BA5
	M16.0	MSAS-03PFFS-SF8CA5	MSAS-03PFFS-SF8CA5	MSAS-03PFFS-SF8CA5

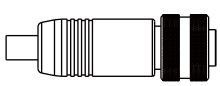
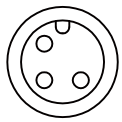
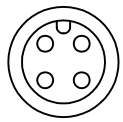
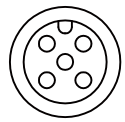
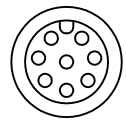
* Design and specification are subject to change without notice.

↘ M12 A-coding (Shielded) > Overmolded with cable > Male Connector > Straight

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAS-03BMMM-SL7XXX*	MSAS-04BMMM-SL7XXX*	MSAS-05BMMM-SL7XXX*	MSAS-08BMMM-SL7XXX*

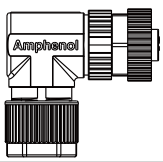
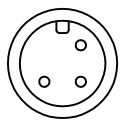
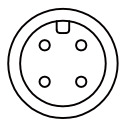
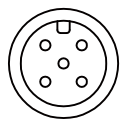
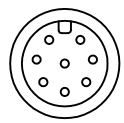
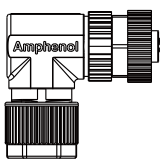
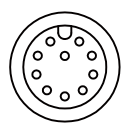
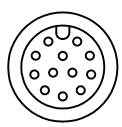
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M12 A-coding (Shielded) > Overmolded with cable > Female Connector > Straight

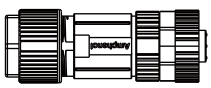
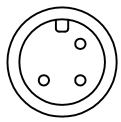
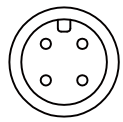
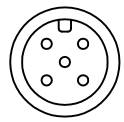
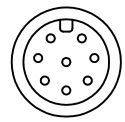
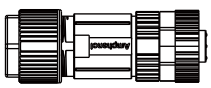
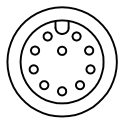
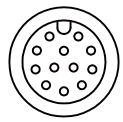
				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAS-03BFFM-SL7XXX*	MSAS-04BBFFM-SL7XXX*	MSAS-05BFFM-SL7XXX*	MSAS-08BFFM-SL7XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

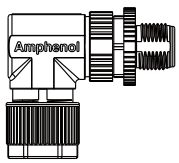
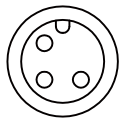
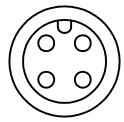
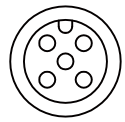
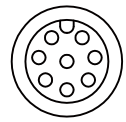
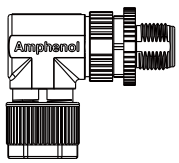
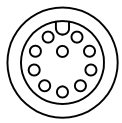
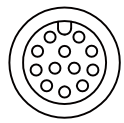
↘ M12 A-coding (Shielded) > Field Installable > Male Connector > Right Angle

					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	MSAS-03BMMB-SL7001	MSAS-04BMMB-SL7001	MSAS-05BMMB-SL7001	-
	Screw Type	-	-	-	MSAS-08BMMA-SL7001
	IDC Type	-	-	MSAS-05BMMD-SL7001	-
					
Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Solder Type	-	-		
	Screw Type	MSAS-10BMMA-SL7001	MSAS-12BMMA-SL7001		
	IDC Type	-	-		

↘ M12 A-coding (Shielded) > Field Installable > Male Connector > Straight

					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	MSAS-03BMMB-SL7001	MSAS-04BMMB-SL7001	MSAS-05BMMB-SL7001	-
	Screw Type	-	-	-	MSAS-08BMMA-SL7001
	IDC Type	-	-	MSAS-05BMMD-SL7001	-
					
Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Solder Type	-	-		
	Screw Type	MSAS-10BMMA-SL7001	MSAS-12BMMA-SL7001		
	IDC Type	-	-		

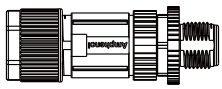
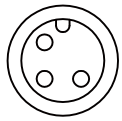
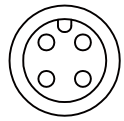
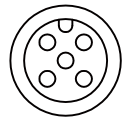
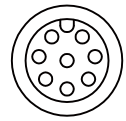
↘ M12 A-coding (Shielded) > Field Installable > Female Connector > Right Angle

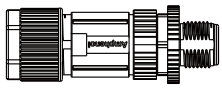
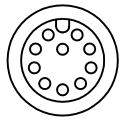
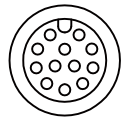
					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	MSAS-03BMMB-SR7001	MSAS-04BMMB-SR7001	MSAS-05BMMB-SR7001	-
	Screw Type	-	-	-	MSAS-08BMMA-SR7001
					
Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Solder Type	-	-		
	Screw Type	MSAS-10BMMA-SR7001	MSAS-12BMMA-SR7001		

* Design and specification are subject to change without notice.

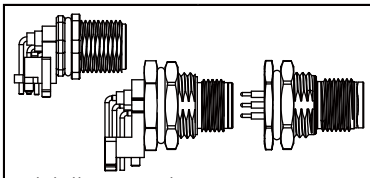
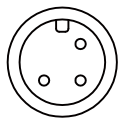
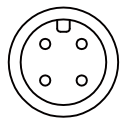
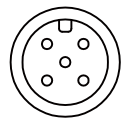
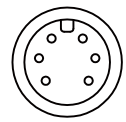
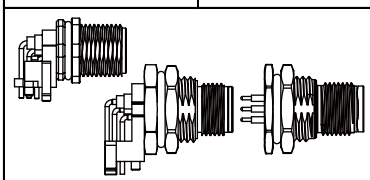
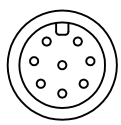
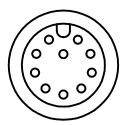
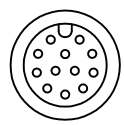
IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 A-coding (Shielded) > Field Installable > Female Connector > Straight

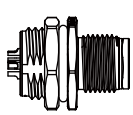
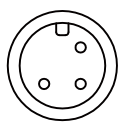
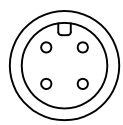
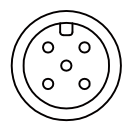
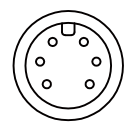
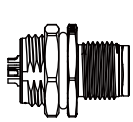
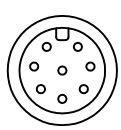
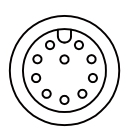
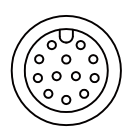
					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	MSAS-03BFFB-SR7001	MSAS-04BFFB-SR7001	MSAS-05BFFB-SR7001	-
	Screw Type	-	-	-	MSAS-08BFFA-SR7001

			
Type	Contact Type	1.5A / 30V	1.5A / 30V
Without Strain Relief	Solder Type	-	-
	Screw Type	MSAS-10BFFA-SR7001	MSAS-12BFFA-SR7001

↘ M12 A-coding (Metal Nut) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal					
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
Solder Pin (180°)	PG9	M12A-03PMMP-SF8001	M12A-04PMMP-SF8001	M12A-05PMMP-SF8001	M12A-06PMMP-SF8001
	M16.0	M12A-03PMMP-SF8002	M12A-04PMMP-SF8002	M12A-05PMMP-SF8002	M12A-06PMMP-SF8002
PCB Pin (90°)	M12	M12A-03PMMR-SF7003	M12A-04PMMR-SF7003	M12A-05PMMR-SF7003	-
	PG9	M12A-03PMMR-SF8001	M12A-04PMMR-SF8001	M12A-05PMMR-SF8001	-
	M16.0	M12A-03PMMR-SF8002	M12A-04PMMR-SF8002	M12A-05PMMR-SF8002	-
Solder Pin (180°)	PG9	M12A-03PMMS-SF8001	M12A-04PMMS-SF8001	M12A-05PMMS-SF8001	M12A-06PMMS-SF8001
	M16.0	M12A-03PMMS-SF8002	M12A-04PMMS-SF8002	M12A-05PMMS-SF8002	M12A-06PMMS-SF8002
 Backshell: Hexagonal					
Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V	
PCB Pin (180°)	PG9	M12A-08PMMP-SF8001	M12A-10PMMP-SF8001	M12A-12PMMP-SF8001	
	M16.0	M12A-08PMMP-SF8002	M12A-10PMMP-SF8002	M12A-12PMMP-SF8002	
PCB Pin (90°)	M12	M12A-08PMMR-SF7003	-	-	
	PG9	-	-	-	
	M16.0	-	-	-	
Solder Pin (90°)	PG9	M12A-08PMMS-SF8001	M12A-10PMMS-SF8001	M12A-12PMMS-SF8001	
	M16.0	M12A-08PMMS-SF8002	M12A-10PMMS-SF8002	M12A-12PMMS-SF8002	

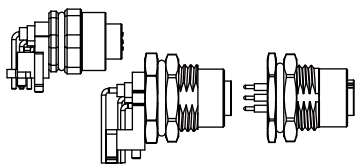
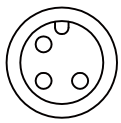
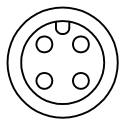
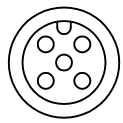
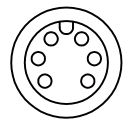
↘ M12 A-coding (Metal Nut) > Receptacle > Male Connector > Front Fastened

					
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
Solder Pin (180°)	PG9	M12A-03PMMS-SH8001	M12A-04PMMS-SH8001	M12A-05PMMS-SH8001	M12A-06PMMS-SH8001
	M16.0	M12A-03PMMS-SH8002	M12A-04PMMS-SH8002	M12A-05PMMS-SH8002	M12A-06PMMS-SH8002
					
Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V	
Solder Pin (180°)	PG9	M12A-08PMMS-SH8001	M12A-10PMMS-SH8001	M12A-12PMMS-SH8001	
	M16.0	M12A-08PMMS-SH8002	M12A-10PMMS-SH8002	M12A-12PMMS-SH8002	

* Design and specification are subject to change without notice.

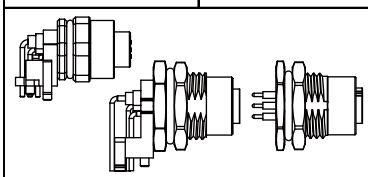
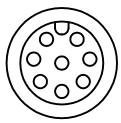
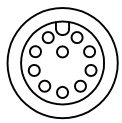
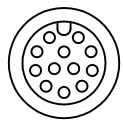
IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 A-coding (Metal Nut) > Receptacle > Female Connector > Front Fastened

Backshell: Hexagonal

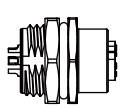
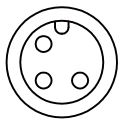
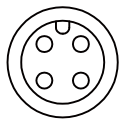
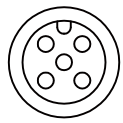
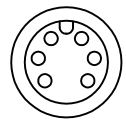
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	PG9	M12A-03PFFP-SF8001	M12A-04PFFP-SF8001	M12A-05PFFP-SF8001	M12A-06PFFP-SF8001
	M16.0	M12A-03PFFP-SF8002	M12A-04PFFP-SF8002	M12A-05PFFP-SF8002	M12A-06PFFP-SF8002
PCB Pin (90°)	M12	M12A-03PFFR-SF7003	M12A-04PFFR-SF7003	M12A-05PFFR-SF7003	-
	PG9	M12A-03PFFR-SF8001	M12A-04PFFR-SF8001	M12A-05PFFR-SF8001	-
	M16.0	M12A-03PFFR-SF8002	M12A-04PFFR-SF8002	M12A-05PFFR-SF8002	-
Solder Pin (180°)	PG9	M12A-03PFFS-SF8001	M12A-04PFFS-SF8001	M12A-05PFFS-SF8001	M12A-06PFFS-SF8001
	M16.0	M12A-03PFFS-SF8002	M12A-04PFFS-SF8002	M12A-05PFFS-SF8002	M12A-06PFFS-SF8002

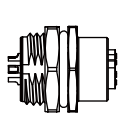
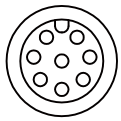
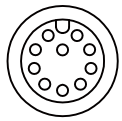
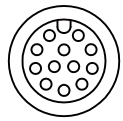
Backshell: Hexagonal

Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
PCB Pin (180°)	PG9	M12A-08PFFP-SF8001	M12A-10PFFP-SF8001	M12A-12PFFP-SF8001
	M16.0	M12A-08PFFP-SF8002	M12A-10PFFP-SF8002	M12A-12PFFP-SF8002
PCB Pin (90°)	M12	M12A-08PFFR-SF7003	-	-
	PG9	-	-	-
	M16.0	-	-	-
Solder Pin (180°)	PG9	M12A-08PFFS-SF8001	M12A-10PFFS-SF8001	M12A-12PFFS-SF8001
	M16.0	M12A-08PFFS-SF8002	M12A-10PFFS-SF8002	M12A-12PFFS-SF8002

↘ M12 A-coding (Metal Nut) > Receptacle > Female Connector > Front Fastened

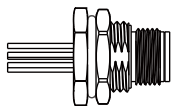
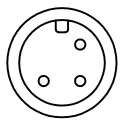
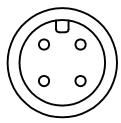
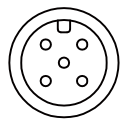
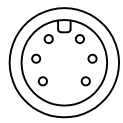






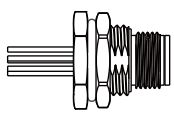
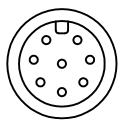
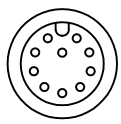
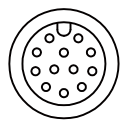
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
Solder Pin (180)	PG9	M12A-03PFFS-SH8001	M12A-04PFFS-SH8001	M12A-05PFFS-SH8001	M12A-06PFFS-SH8001
	M16.0	M12A-03PFFS-SH8002	M12A-04PFFS-SH8002	M12A-05PFFS-SH8002	M12A-06PFFS-SH8002

Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
Solder Pin (180)	PG9	M12A-08PFFS-SH8001	M12A-10PFFS-SH8001	M12A-12PFFS-SH8001
	M16.0	M12A-08PFFS-SH8002	M12A-10PFFS-SH8002	M12A-12PFFS-SH8002

↘ M12 A-coding (Metal Nut) > Receptacle with Wire Harness > Male Connector > Front Fastened

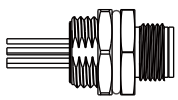
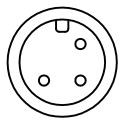
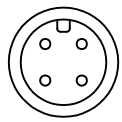
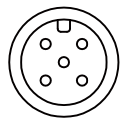
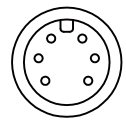
 Backshell: Hexagonal					
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
150mm	PG9	M12A-03PMMC-SF8B15	M12A-04PMMC-SF8B15	M12A-05PMMC-SF8B15	M12A-06PMMS-SF8B15
	M16.0	M12A-03PMMC-SF8C15	M12A-04PMMC-SF8C15	M12A-05PMMC-SF8C15	M12A-06PMMS-SF8C15
300mm	PG9	M12A-03PMMC-SF8B30	M12A-04PMMC-SF8B30	M12A-05PMMC-SF8B30	M12A-06PMMS-SF8B30
	M16.0	M12A-03PMMC-SF8C30	M12A-04PMMC-SF8C30	M12A-05PMMC-SF8C30	M12A-06PMMS-SF8C30
500mm	PG9	M12A-03PMMC-SF8B50	M12A-04PMMC-SF8B50	M12A-05PMMC-SF8B50	M12A-06PMMS-SF8B50
	M16.0	M12A-03PMMC-SF8C50	M12A-04PMMC-SF8C50	M12A-05PMMC-SF8C50	M12A-06PMMS-SF8C50
1000mm	PG9	M12A-03PMMC-SF8BA0	M12A-04PMMC-SF8BA0	M12A-05PMMC-SF8BA0	M12A-06PMMS-SF8BA0
	M16.0	M12A-03PMMC-SF8CA0	M12A-04PMMC-SF8CA0	M12A-05PMMC-SF8CA0	M12A-06PMMS-SF8CA0
1500mm	PG9	M12A-03PMMC-SF8BA5	M12A-04PMMC-SF8BA5	M12A-05PMMC-SF8BA5	M12A-06PMMS-SF8BA5
	M16.0	M12A-03PMMC-SF8CA5	M12A-04PMMC-SF8CA5	M12A-05PMMC-SF8CA5	M12A-06PMMS-SF8CA5

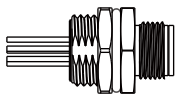
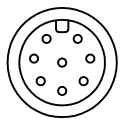
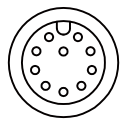
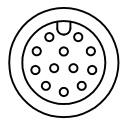
 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
150mm	PG9	M12A-08PMMS-SF8B15	M12A-10PMMS-SF8B15	M12A-M12APMMS-SF8B15
	M16.0	M12A-08PMMS-SF8C15	M12A-10PMMS-SF8C15	M12A-M12APMMS-SF8C15
300mm	PG9	M12A-08PMMS-SF8B30	M12A-10PMMS-SF8B30	M12A-M12APMMS-SF8B30
	M16.0	M12A-08PMMS-SF8C30	M12A-10PMMS-SF8C30	M12A-M12APMMS-SF8C30
500mm	PG9	M12A-08PMMS-SF8B50	M12A-10PMMS-SF8B50	M12A-M12APMMS-SF8B50
	M16.0	M12A-08PMMS-SF8C50	M12A-10PMMS-SF8C50	M12A-M12APMMS-SF8C50
1000mm	PG9	M12A-08PMMS-SF8BA0	M12A-10PMMS-SF8BA0	M12A-M12APMMS-SF8BA0
	M16.0	M12A-08PMMS-SF8CA0	M12A-10PMMS-SF8CA0	M12A-M12APMMS-SF8CA0
1500mm	PG9	M12A-08PMMS-SF8BA5	M12A-10PMMS-SF8BA5	M12A-M12APMMS-SF8BA5
	M16.0	M12A-08PMMS-SF8CA5	M12A-10PMMS-SF8CA5	M12A-M12APMMS-SF8CA5

* Design and specification are subject to change without notice.

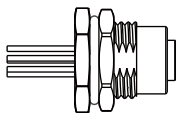
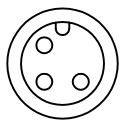
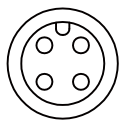
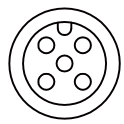
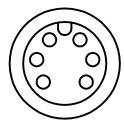
IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

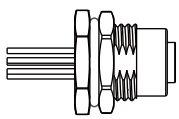
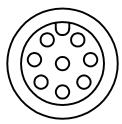
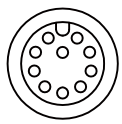
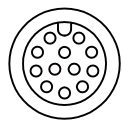
↘ M12 A-coding (Metal Nut) > Receptacle with Wire Harness > Male Connector > Rear Fastened

 Backshell: Hexagonal					
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
150mm	PG9	M12A-03PMMC-SH8B15	M12A-04PMMC-SH8B15	M12A-05PMMC-SH8B15	M12A-06PMMS-SH8B15
	M16.0	M12A-03PMMC-SH8C15	M12A-04PMMC-SH8C15	M12A-05PMMC-SH8C15	M12A-06PMMS-SH8C15
300mm	PG9	M12A-03PMMC-SH8B30	M12A-04PMMC-SH8B30	M12A-05PMMC-SH8B30	M12A-06PMMS-SH8B30
	M16.0	M12A-03PMMC-SH8C30	M12A-04PMMC-SH8C30	M12A-05PMMC-SH8C30	M12A-06PMMS-SH8C30
500mm	PG9	M12A-03PMMC-SH8B50	M12A-04PMMC-SH8B50	M12A-05PMMC-SH8B50	M12A-06PMMS-SH8B50
	M16.0	M12A-03PMMC-SH8C50	M12A-04PMMC-SH8C50	M12A-05PMMC-SH8C50	M12A-06PMMS-SH8C50
1000mm	PG9	M12A-03PMMC-SH8BA0	M12A-04PMMC-SH8BA0	M12A-05PMMC-SH8BA0	M12A-06PMMS-SH8BA0
	M16.0	M12A-03PMMC-SH8CA0	M12A-04PMMC-SH8CA0	M12A-05PMMC-SH8CA0	M12A-06PMMS-SH8CA0
1500mm	PG9	M12A-03PMMC-SH8BA5	M12A-04PMMC-SH8BA5	M12A-05PMMC-SH8BA5	M12A-06PMMS-SH8BA5
	M16.0	M12A-03PMMC-SH8CA5	M12A-04PMMC-SH8CA5	M12A-05PMMC-SH8CA5	M12A-06PMMS-SH8CA5

 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
150mm	PG9	M12A-08PMMS-SH8B15	M12A-10PMMS-SH8B15	M12A-M12APMMS-SH8B15
	M16.0	M12A-08PMMS-SH8C15	M12A-10PMMS-SH8C15	M12A-M12APMMS-SH8C15
300mm	PG9	M12A-08PMMS-SH8B30	M12A-10PMMS-SH8B30	M12A-M12APMMS-SH8B30
	M16.0	M12A-08PMMS-SH8C30	M12A-10PMMS-SH8C30	M12A-M12APMMS-SH8C30
500mm	PG9	M12A-08PMMS-SH8B50	M12A-10PMMS-SH8B50	M12A-M12APMMS-SH8B50
	M16.0	M12A-08PMMS-SH8C50	M12A-10PMMS-SH8C50	M12A-M12APMMS-SH8C50
1000mm	PG9	M12A-08PMMS-SH8BA0	M12A-10PMMS-SH8BA0	M12A-M12APMMS-SH8BA0
	M16.0	M12A-08PMMS-SH8CA0	M12A-10PMMS-SH8CA0	M12A-M12APMMS-SH8CA0
1500mm	PG9	M12A-08PMMS-SH8BA5	M12A-10PMMS-SH8BA5	M12A-M12APMMS-SH8BA5
	M16.0	M12A-08PMMS-SH8CA5	M12A-10PMMS-SH8CA5	M12A-M12APMMS-SH8CA5

↘ M12 A-coding (Metal Nut) > Receptacle with Wire Harness > Female Connector > Front Fastened

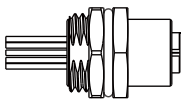
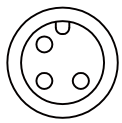
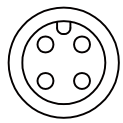
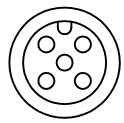
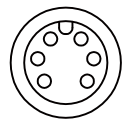
 Backshell: Hexagonal					
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
150mm	PG9	M12A-03PFFC-SF8B15	M12A-04PFFC-SF8B15	M12A-05PFFC-SF8B15	M12A-06PFFS-SF8B15
	M16.0	M12A-03PFFC-SF8C15	M12A-04PFFC-SF8C15	M12A-05PFFC-SF8C15	M12A-06PFFS-SF8C15
300mm	PG9	M12A-03PFFC-SF8B30	M12A-04PFFC-SF8B30	M12A-05PFFC-SF8B30	M12A-06PFFS-SF8B30
	M16.0	M12A-03PFFC-SF8C30	M12A-04PFFC-SF8C30	M12A-05PFFC-SF8C30	M12A-06PFFS-SF8C30
500mm	PG9	M12A-03PFFC-SF8B50	M12A-04PFFC-SF8B50	M12A-05PFFC-SF8B50	M12A-06PFFS-SF8B50
	M16.0	M12A-03PFFC-SF8C50	M12A-04PFFC-SF8C50	M12A-05PFFC-SF8C50	M12A-06PFFS-SF8C50
1000mm	PG9	M12A-03PFFC-SF8BA0	M12A-04PFFC-SF8BA0	M12A-05PFFC-SF8BA0	M12A-06PFFS-SF8BA0
	M16.0	M12A-03PFFC-SF8CA0	M12A-04PFFC-SF8CA0	M12A-05PFFC-SF8CA0	M12A-06PFFS-SF8CA0
1500mm	PG9	M12A-03PFFC-SF8BA5	M12A-04PFFC-SF8BA5	M12A-05PFFC-SF8BA5	M12A-06PFFS-SF8BA5
	M16.0	M12A-03PFFC-SF8CA5	M12A-04PFFC-SF8CA5	M12A-05PFFC-SF8CA5	M12A-06PFFS-SF8CA5

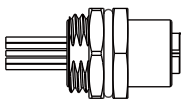
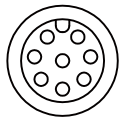
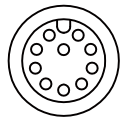
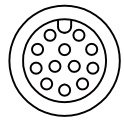
 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
150mm	PG9	M12A-08PFFS-SF8B15	M12A-10PFFS-SF8B15	M12A-M12APFFS-SF8B15
	M16.0	M12A-08PFFS-SF8C15	M12A-10PFFS-SF8C15	M12A-M12APFFS-SF8C15
300mm	PG9	M12A-08PFFS-SF8B30	M12A-10PFFS-SF8B30	M12A-M12APFFS-SF8B30
	M16.0	M12A-08PFFS-SF8C30	M12A-10PFFS-SF8C30	M12A-M12APFFS-SF8C30
500mm	PG9	M12A-08PFFS-SF8B50	M12A-10PFFS-SF8B50	M12A-M12APFFS-SF8B50
	M16.0	M12A-08PFFS-SF8C50	M12A-10PFFS-SF8C50	M12A-M12APFFS-SF8C50
1000mm	PG9	M12A-08PFFS-SF8BA0	M12A-10PFFS-SF8BA0	M12A-M12APFFS-SF8BA0
	M16.0	M12A-08PFFS-SF8CA0	M12A-10PFFS-SF8CA0	M12A-M12APFFS-SF8CA0
1500mm	PG9	M12A-08PFFS-SF8BA5	M12A-10PFFS-SF8BA5	M12A-M12APFFS-SF8BA5
	M16.0	M12A-08PFFS-SF8CA5	M12A-10PFFS-SF8CA5	M12A-M12APFFS-SF8CA5

* Design and specification are subject to change without notice.

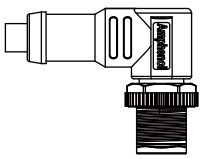
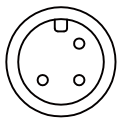
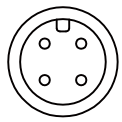
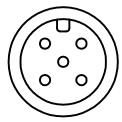
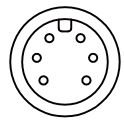
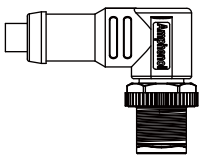
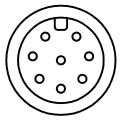
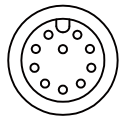
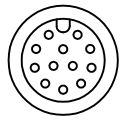
IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 A-coding (Metal Nut) > Receptacle with Wire Harness > Female Connector > Rear Fastened

 Backshell: Hexagonal					
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
150mm	PG9	M12A-03PFFC-SH8B15	M12A-04PFFC-SH8B15	M12A-05PFFC-SH8B15	M12A-06PFFS-SH8B15
	M16.0	M12A-03PFFC-SH8C15	M12A-04PFFC-SH8C15	M12A-05PFFC-SH8C15	M12A-06PFFS-SH8C15
300mm	PG9	M12A-03PFFC-SH8B30	M12A-04PFFC-SH8B30	M12A-05PFFC-SH8B30	M12A-06PFFS-SH8B30
	M16.0	M12A-03PFFC-SH8C30	M12A-04PFFC-SH8C30	M12A-05PFFC-SH8C30	M12A-06PFFS-SH8C30
500mm	PG9	M12A-03PFFC-SH8B50	M12A-04PFFC-SH8B50	M12A-05PFFC-SH8B50	M12A-06PFFS-SH8B50
	M16.0	M12A-03PFFC-SH8C50	M12A-04PFFC-SH8C50	M12A-05PFFC-SH8C50	M12A-06PFFS-SH8C50
1000mm	PG9	M12A-03PFFC-SH8BA0	M12A-04PFFC-SH8BA0	M12A-05PFFC-SH8BA0	M12A-06PFFS-SH8BA0
	M16.0	M12A-03PFFC-SH8CA0	M12A-04PFFC-SH8CA0	M12A-05PFFC-SH8CA0	M12A-06PFFS-SH8CA0
1500mm	PG9	M12A-03PFFC-SH8BA5	M12A-04PFFC-SH8BA5	M12A-05PFFC-SH8BA5	M12A-06PFFS-SH8BA5
	M16.0	M12A-03PFFC-SH8CA5	M12A-04PFFC-SH8CA5	M12A-05PFFC-SH8CA5	M12A-06PFFS-SH8CA5

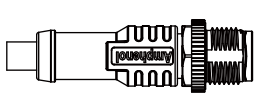
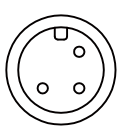
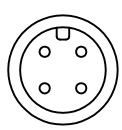
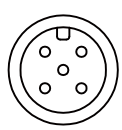
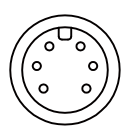
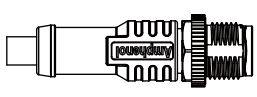
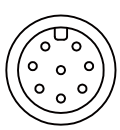
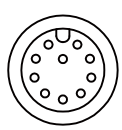
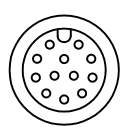
 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
150mm	PG9	M12A-08PFFS-SH8B15	M12A-10PFFS-SH8B15	M12A-M12APFFS-SH8B15
	M16.0	M12A-08PFFS-SH8C15	M12A-10PFFS-SH8C15	M12A-M12APFFS-SH8C15
300mm	PG9	M12A-08PFFS-SH8B30	M12A-10PFFS-SH8B30	M12A-M12APFFS-SH8B30
	M16.0	M12A-08PFFS-SH8C30	M12A-10PFFS-SH8C30	M12A-M12APFFS-SH8C30
500mm	PG9	M12A-08PFFS-SH8B50	M12A-10PFFS-SH8B50	M12A-M12APFFS-SH8B50
	M16.0	M12A-08PFFS-SH8C50	M12A-10PFFS-SH8C50	M12A-M12APFFS-SH8C50
1000mm	PG9	M12A-08PFFS-SH8BA0	M12A-10PFFS-SH8BA0	M12A-M12APFFS-SH8BA0
	M16.0	M12A-08PFFS-SH8CA0	M12A-10PFFS-SH8CA0	M12A-M12APFFS-SH8CA0
1500mm	PG9	M12A-08PFFS-SH8BA5	M12A-10PFFS-SH8BA5	M12A-M12APFFS-SH8BA5
	M16.0	M12A-08PFFS-SH8CA5	M12A-10PFFS-SH8CA5	M12A-M12APFFS-SH8CA5

↘ M12 D (Plastic) > Overmolded with cable > Female Connector > Right Angle

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	M12A-03BMMM-SR8XXX*	M12A-04BMMM-SR8XXX*	M12A-05BMMM-SR8XXX*	M12A-06BMMM-SR8XXX*
				
Type	4A/250V	4A/250V	4A/60V	
Without Strain Relief	M12A-03BMMM-SR8XXX*	M12A-04BMMM-SR8XXX*	M12A-05BMMM-SR8XXX*	

* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 A-coding (Metal Nut) > Overmolded with Cable > Male Connector > Straight

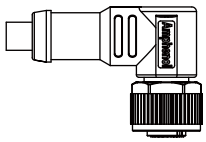
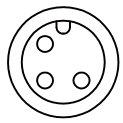
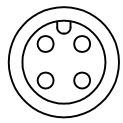
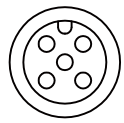
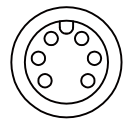
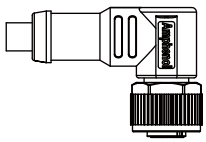
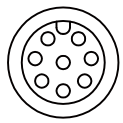
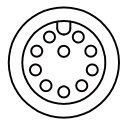
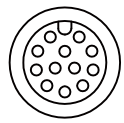
				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	M12A-03BMMM-SL8XXX*	M12A-04BMMM-SL8XXX*	M12A-05BMMM-SL8XXX*	M12A-06BMMM-SL8XXX*
				
Type	4A/250V	4A/250V	4A/60V	
Without Strain Relief	M12A-03BMMM-SL8XXX*	M12A-04BMMM-SL8XXX*	M12A-05BMMM-SL8XXX*	

* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

* Design and specification are subject to change without notice.

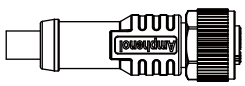
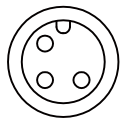
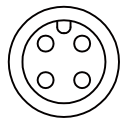
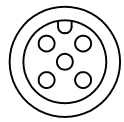
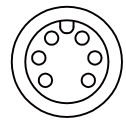
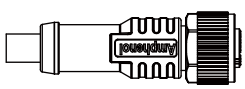
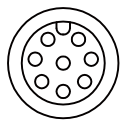
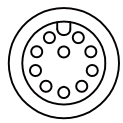
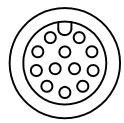
IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 A-coding (Metal Nut) > Overmolded with Cable > Female Connector > Right Angle

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	M12A-03BFFM-SR8XXX*	M12A-04BFFM-SR8XXX*	M12A-05BFFM-SR8XXX*	M12A-06BFFM-SR8XXX*
				
Type	4A/250V	4A/250V	4A/60V	
Without Strain Relief	M12A-03BFFM-SR8XXX*	M12A-04BFFM-SR8XXX*	M12A-05BFFM-SR8XXX*	

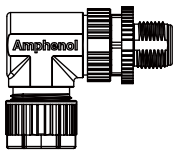
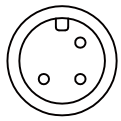
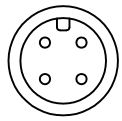
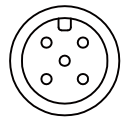
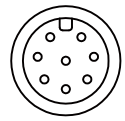
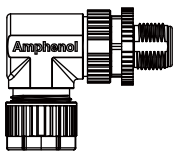
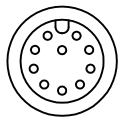
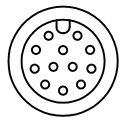
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 A-coding (Metal Nut) > Overmolded with Cable > Female Connector > Straight

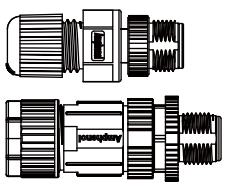
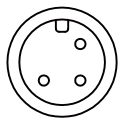
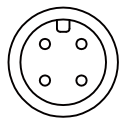
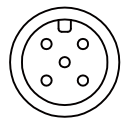
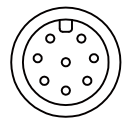
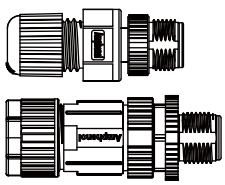
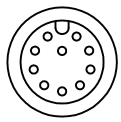
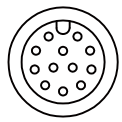
				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	M12A-03BFFM-SL8XXX*	M12A-04BFFM-SL8XXX*	M12A-05BFFM-SL8XXX*	M12A-06BFFM-SL8XXX*
				
Type	4A/250V	4A/250V	4A/60V	
Without Strain Relief	M12A-03BFFM-SL8XXX*	M12A-04BFFM-SL8XXX*	M12A-05BFFM-SL8XXX*	

* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

⇲ M12 A-coding (Metal Nut) > Field Installable > Male Connector > Right Angle

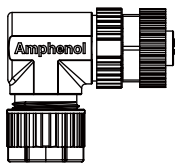
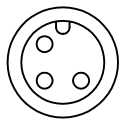
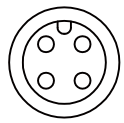
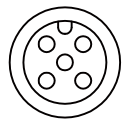
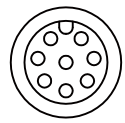
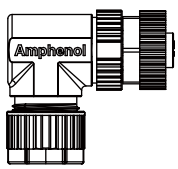
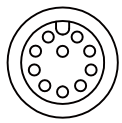
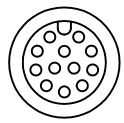
					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	-	-	-	-
	Screw Type	M12A-03BMMB-SR7001	M12A-04BMMB-SR7001	M12A-05BMMB-SR7001	M12A-08BMMB-SR7001
					
Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Solder Type	M12A-10BMMA-SR7001	M12A-M12ABMMA-SR7001		
	Screw Type	-	-		

⇲ M12 A-coding (Metal Nut) > Field Installable > Male Connector > Straight

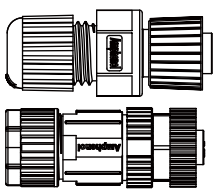
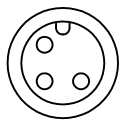
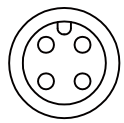
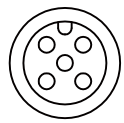
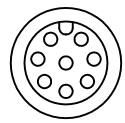
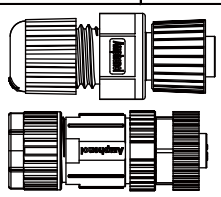
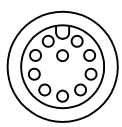
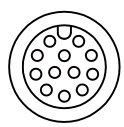
					
Type Screw Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	M12A-03BMMA-SL8001	M12A-04BMMA-SL8001	M12A-05BMMA-SL8001	M12A-08BMMA-SL8001
	Screw Type	M12A-03BMMB-SL7001	M12A-04BMMB-SL7001	M12A-05BMMB-SL7001	M12A-08BMMB-SL7001
	IDC Type	-	-	M12A-05BMMD-SL7001	-
					
Type Screw Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Solder Type	M12A-10BMMA-SL7001	M12A-M12ABMMA-SL7001		
	Screw Type	-	-		
	IDC Type	-	-		

* Design and specification are subject to change without notice.

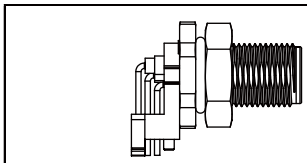
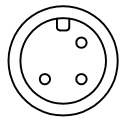
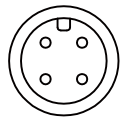
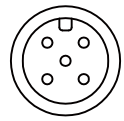
↘ M12 A-coding (Metal Nut) > Field Installable > Female Connector > Right Angle

					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	-	-	-	-
	Screw Type	M12A-03BFFB-SR7001	M12A-04BFFB-SR7001	M12A-05BFFB-SR7001	M12A-08BFFB-SR7001
					
Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Solder Type	M12A-10BFFA-SR7001	M12A-M12ABFFA-SR7001		
	Screw Type	-	-		

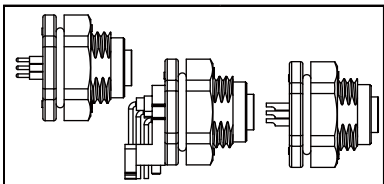
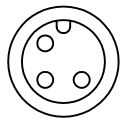
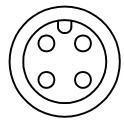
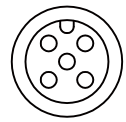
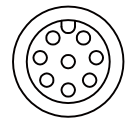
↘ M12 A-coding (Metal Nut) > Field Installable > Female Connector > Right Angle

					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	M12A-03BFFA-SL8001	M12A-04BFFA-SL8001	M12A-05BFFA-SL8001	M12A-08BFFA-SL8001
	Screw Type	M12A-03BFFB-SL7001	M12A-04BFFB-SL7001	M12A-05BFFB-SL7001	M12A-08BFFB-SL7001
	IDC Type	-	-	M12A-05BMMD-SL7001	-
					
Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Solder Type	M12A-08BFFA-SL7001	M12A-08BFFA-SL7001		
	Screw Type	-	-		
	IDC Type	-	-		

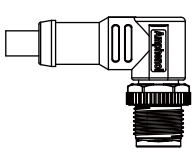
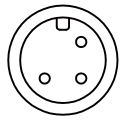
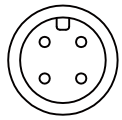
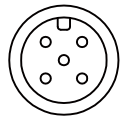
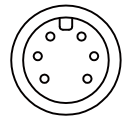
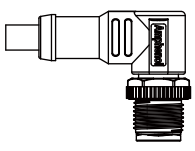
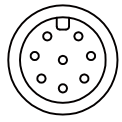
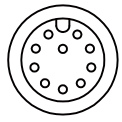
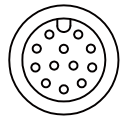
↘ M12 A-coding (Plastic) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
Solder Pin (90°)	M12	MSAP-03PMMR-SF8003	MSAP-04PMMR-SF8003	MSAP-05PMMR-SF8003

↘ M12 A-coding (Plastic) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal					
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	M16.0	MSAP-03PFFP-SF8002	MSAP-04PFFP-SF8002	MSAP-05PFFP-SF8002	MSAP-08PFFP-SF8002
PCB Pin (90°)	M16.0	MSAP-03PFFR-SF8002	MSAP-04PFFR-SF8002	MSAP-05PFFR-SF8002	-
Solder Pin (180°)	M16.0	MSAP-03PFFS-SF8002	MSAP-04PFFS-SF8002	MSAP-05PFFS-SF8002	MSAP-08PFFS-SF8002

↘ M12 A-coding (Plastic) > Overmolded with Cable > Male Connector > Right Angle

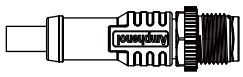
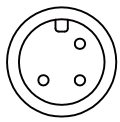
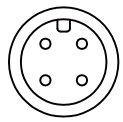
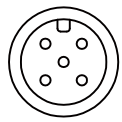
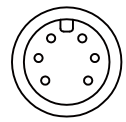
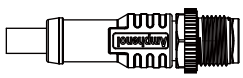
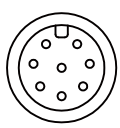
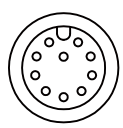
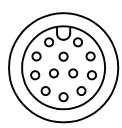
				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAP-03BMMM-SR8XXX*	MSAP-04BMMM-SR8XXX*	MSAP-05BMMM-SR8XXX*	MSAP-06BMMM-SR8XXX*
				
Type	2A / 30V	1.5A / 30V	1.5A / 30V	
Without Strain Relief	MSAP-08BMMM-SR8XXX*	MSAP-10BMMM-SR8XXX*	MSAP-12BMMM-SR8XXX*	

* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

* Design and specification are subject to change without notice.

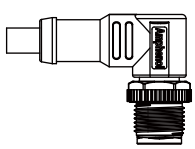
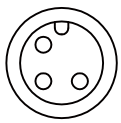
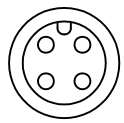
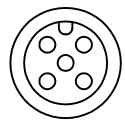
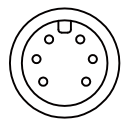
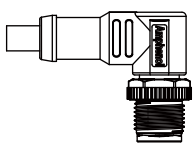
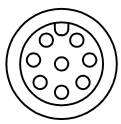
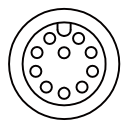
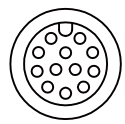
IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 A-coding (Plastic) > Overmolded with Cable > Male Connector > Straight

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAP-03BMMM-SL8XXX*	MSAP-04BMMM-SL8XXX*	MSAP-05BMMM-SL8XXX*	MSAP-06BMMM-SL8XXX*
				
Type	2A / 30V	1.5A / 30V	1.5A / 30V	
Without Strain Relief	MSAP-08BMMM-SL8XXX*	MSAP-10BMMM-SL8XXX*	MSAP-12BMMM-SL8XXX*	

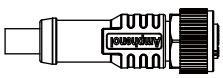
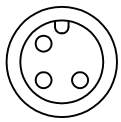
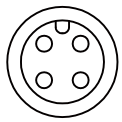
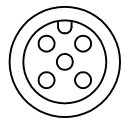
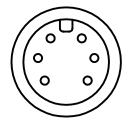
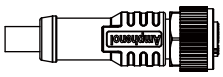
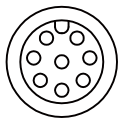
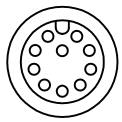
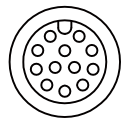
* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 A-coding (Plastic) > Overmolded with Cable > Female Connector > Right Angle

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAP-03BFFM-SR8XXX*	MSAP-04BFFM-SR8XXX*	MSAP-05BFFM-SR8XXX*	MSAP-06BFFM-SR8XXX*
				
Type	2A / 30V	1.5A / 30V	1.5A / 30V	
Without Strain Relief	MSAP-08BFFM-SR8XXX*	MSAP-10BFFM-SR8XXX*	MSAP-12BFFM-SR8XXX*	

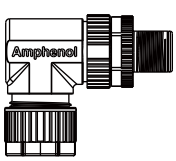
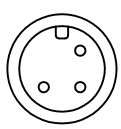
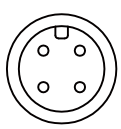
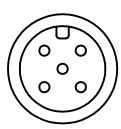
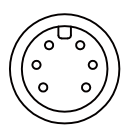
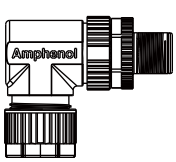
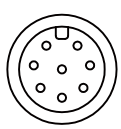
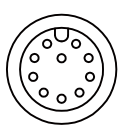
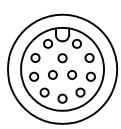
* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 A-coding (Plastic) > Overmolded with Cable > Female Connector > Straight

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAP-03BFFM-SL8XXX*	MSAP-04BFFM-SL8XXX*	MSAP-05BFFM-SL8XXX*	MSAP-06BFFM-SL8XXX*
				
Type	2A / 30V	1.5A / 30V	1.5A / 30V	
Without Strain Relief	MSAP-08BFFM-SL8XXX*	MSAP-10BFFM-SL8XXX*	MSAP-12BFFM-SL8XXX*	

* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

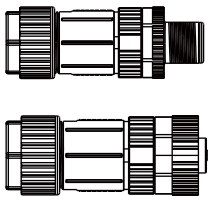
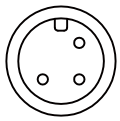
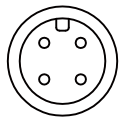
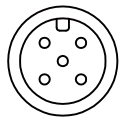
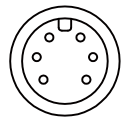
↘ M12 A-coding (Plastic) > Field Installable > Male Connector > Right Angle

					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	-	-	-	-
	Screw Type	MSAP-03BMMB-SR7001	MSAP-04BMMB-SR7001	MSAP-05BMMB-SR7001	MSAP-08BMMB-SR7001
	IDC	-	-	-	-
					
Type	Contact Type	2A / 30V	1.5A / 30V	1.5A / 30V	
Without Strain Relief	Solder Type	-	MSAP-10BMMB-SR7001	MSAP-12BMMB-SR7001	
	Screw Type	MSAP-08BMMB-SR7001	-	-	
	IDC	-	-	-	

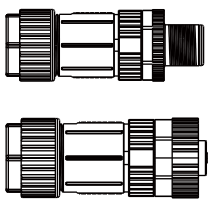
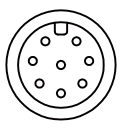
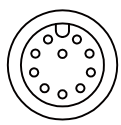
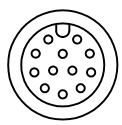
* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 A-coding (Plastic) > Field Installable > Male Connector > Straight

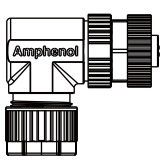






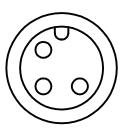
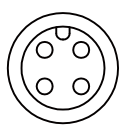
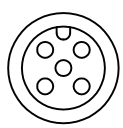
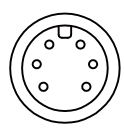
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	MSAP-03BMMA-SL8001	MSAP-04BMMA-SL8001	MSAP-05BMMA-SL8001	MSAP-08BMMA-SL8001
	Screw Type	MSAP-03BMMB-SL7001	MSAP-04BMMB-SL7001	MSAP-05BMMB-SL7001	MSAP-08BMMB-SL7001
	IDC	-	-	MSAP-05BMMD-SL7001	-

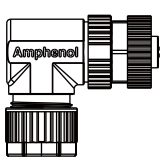
Type	Contact Type	2A / 30V	1.5A / 30V	1.5A / 30V
Without Strain Relief	Solder Type	MSAP-08BMMA-SL8001	MSAP-10BMMA-SL7001	MSAP-12BMMA-SL7001
	Screw Type	MSAP-08BMMB-SL7001	-	-
	IDC	-	-	-

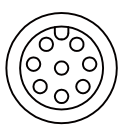
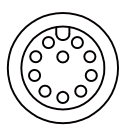
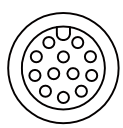
↘ M12 A-coding (Plastic) > Field Installable > Female Connector > Right Angle



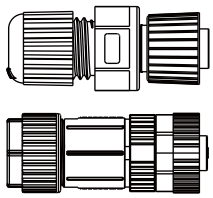
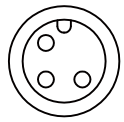
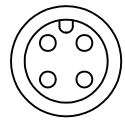
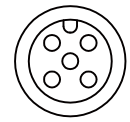
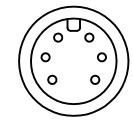
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	-	-	-	-
	Screw Type	MSAP-03BFFB-SR7001	MSAP-04BFFB-SR7001	MSAP-05BFFB-SR7001	MSAP-08BFFB-SR7001
	IDC	-	-	-	-

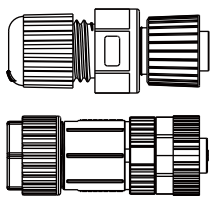
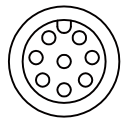
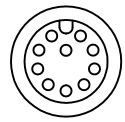
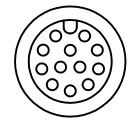


Type	Contact Type	2A / 30V	1.5A / 30V	1.5A / 30V
Without Strain Relief	Solder Type	-	MSAP-10BFFA-SR7001	MSAP-12BFFA-SR7001
	Screw Type	MSAP-08BFFB-SR7001	-	-
	IDC	-	-	-

↘ M12 A-coding (Plastic) > Field Installable > Female Connector > Straight

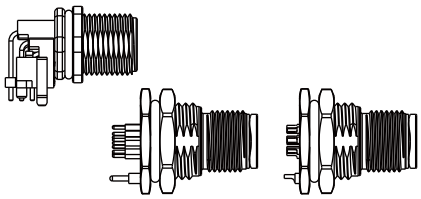
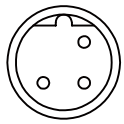
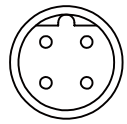
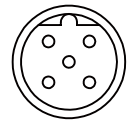
					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	MSAP-03BFFA-SL8001	MSAP-04BFFA-SL8001	MSAP-05BFFA-SL8001	MSAP-08BFFA-SL8001
	Screw Type	MSAP-03BFFB-SL7001	MSAP-04BFFB-SL7001	MSAP-05BFFB-SL7001	MSAP-08BFFB-SL7001
	IDC	-	-	MSAP-05BFFD-SL7001	-

				
Type	Contact Type	2A / 30V	1.5A / 30V	1.5A / 30V
Without Strain Relief	Solder Type	MSAP-08BFFA-SL8001	MSAP-10BFFA-SL7001	MSAP-12BFFA-SL7001
	Screw Type	MSAP-08BFFB-SL7001	-	-
	IDC	-	-	-

* Design and specification are subject to change without notice.

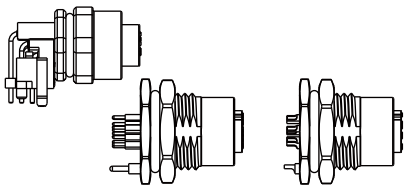
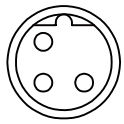
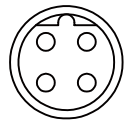
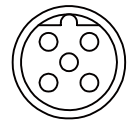
IP 65 . 67 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 B-Coded (Shielded) > Receptacle > Male Connector > Front Fastened

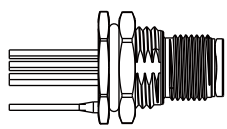
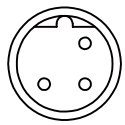
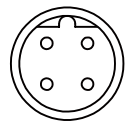
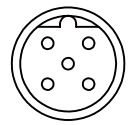
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSBS-03PMMP-SF8001	MSBS-04PMMP-SF8001	MSBS-05PMMP-SF8001
	M16.0	MSBS-03PMMP-SF8002	MSBS-04PMMP-SF8002	MSBS-05PMMP-SF8002
PCB Pin (90°)	M12	-	-	MSBS-05PMMR-SF7003
Solder Pin (180°)	PG9	MSBS-03PMMS-SF8001	MSBS-04PMMS-SF8001	MSBS-05PMMS-SF8001
	M16.0	MSBS-03PMMS-SF8002	MSBS-04PMMS-SF8002	MSBS-05PMMS-SF8002

↘ M12 B-Coded (Shielded) > Receptacle > Female Connector > Front Fastened

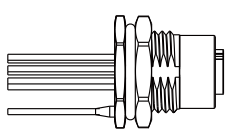
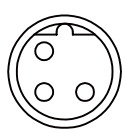
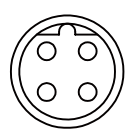
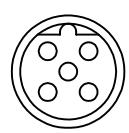
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSBS-03PFFP-SF8001	MSBS-04PFFP-SF8001	MSBS-05PFFP-SF8001
	M16.0	MSBS-03PFFP-SF8002	MSBS-04PFFP-SF8002	MSBS-05PFFP-SF8002
PCB Pin (90°)	M12	-	-	MSBS-05PFFR-SF7003
Solder Pin (180°)	PG9	MSBS-03PFFS-SF8001	MSBS-04PFFS-SF8001	MSBS-05PFFS-SF8001
	M16.0	MSBS-03PFFS-SF8002	MSBS-04PFFS-SF8002	MSBS-05PFFS-SF8002

↘ M12 B-Coded (Shielded) > Receptacle with Wire Harness > Male Connector > Front Fastened

 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	MSBS-03PMMC-SF8B15	MSBS-04PMMC-SF8B15	MSBS-05PMMC-SF8B15
	M16.0	MSBS-03PMMC-SF8C15	MSBS-04PMMC-SF8C15	MSBS-05PMMC-SF8C15
300mm	PG9	MSBS-03PMMC-SF8B30	MSBS-04PMMC-SF8B30	MSBS-05PMMC-SF8B30
	M16.0	MSBS-03PMMC-SF8C30	MSBS-04PMMC-SF8C30	MSBS-05PMMC-SF8C30
500mm	PG9	MSBS-03PMMC-SF8B50	MSBS-04PMMC-SF8B50	MSBS-05PMMC-SF8B50
	M16.0	MSBS-03PMMC-SF8C50	MSBS-04PMMC-SF8C50	MSBS-05PMMC-SF8C50
1000mm	PG9	MSBS-03PMMC-SF8BA0	MSBS-04PMMC-SF8BA0	MSBS-05PMMC-SF8BA0
	M16.0	MSBS-03PMMC-SF8CA0	MSBS-04PMMC-SF8CA0	MSBS-05PMMC-SF8CA0
1500mm	PG9	MSBS-03PMMC-SF8BA5	MSBS-04PMMC-SF8BA5	MSBS-05PMMC-SF8BA5
	M16.0	MSBS-03PMMC-SF8CA5	MSBS-04PMMC-SF8CA5	MSBS-05PMMC-SF8CA5

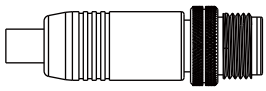
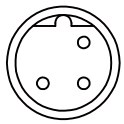
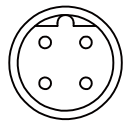
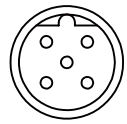
* Other wire types are available upon request.

↘ M12 B-Coded (Shielded) > Receptacle with Wire Harness > Female Connector > Front Fastened

 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	MSBS-03PFFC-SF8B15	MSBS-04PFFC-SF8B15	MSBS-05PFFC-SF8B15
	M16.0	MSBS-03PFFC-SF8C15	MSBS-04PFFC-SF8C15	MSBS-05PFFC-SF8C15
300mm	PG9	MSBS-03PFFC-SF8B30	MSBS-04PFFC-SF8B30	MSBS-05PFFC-SF8B30
	M16.0	MSBS-03PFFC-SF8C30	MSBS-04PFFC-SF8C30	MSBS-05PFFC-SF8C30
500mm	PG9	MSBS-03PFFC-SF8B50	MSBS-04PFFC-SF8B50	MSBS-05PFFC-SF8B50
	M16.0	MSBS-03PFFC-SF8C50	MSBS-04PFFC-SF8C50	MSBS-05PFFC-SF8C50
1000mm	PG9	MSBS-03PFFC-SF8BA0	MSBS-04PFFC-SF8BA0	MSBS-05PFFC-SF8BA0
	M16.0	MSBS-03PFFC-SF8CA0	MSBS-04PFFC-SF8CA0	MSBS-05PFFC-SF8CA0
1500mm	PG9	MSBS-03PFFC-SF8BA5	MSBS-04PFFC-SF8BA5	MSBS-05PFFC-SF8BA5
	M16.0	MSBS-03PFFC-SF8CA5	MSBS-04PFFC-SF8CA5	MSBS-05PFFC-SF8CA5

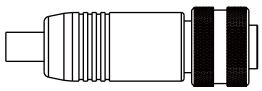
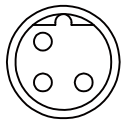
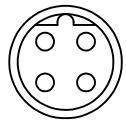
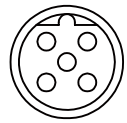
* Other wire types are available upon request.

↘ M12 B-Coded (Shielded) > Overmolded with cable > Male Connector > Straight

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	-	MSBS-05BMMM-SL7XXX

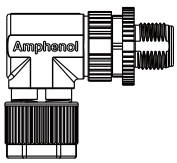
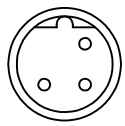
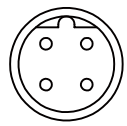
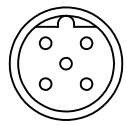
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M12 B-Coded (Shielded) > Overmolded with cable > Female Connector > Straight

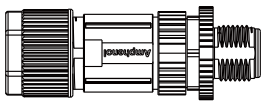
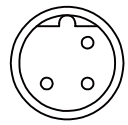
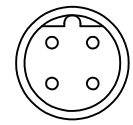
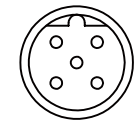
			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	-	MSBS-05BFFM-SL7XXX

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

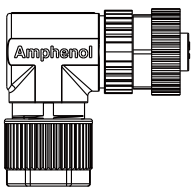
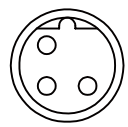
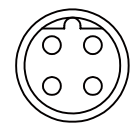
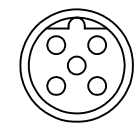
↘ M12 B-Coded (Shielded) > Field Installable > Male Connector > Right Angle

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	MSBS-05BMMB-SR7001

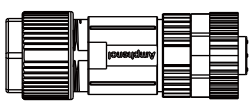
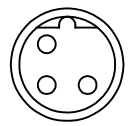
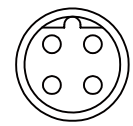
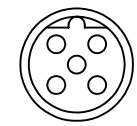
↘ M12 B-Coded (Shielded) > Field Installable > Male Connector > Straight

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	MSBS-05BMMB-SL7001

↘ M12 B-Coded (Shielded) > Field Installable > Female Connector > Right Angle

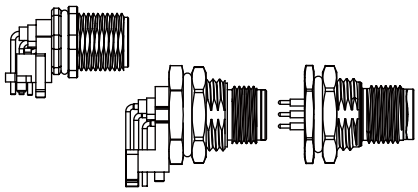
				
Type	Contact Type	4A/250V	4A/250V	4A/250V
Without Strain Relief	Screw Type	-	-	MSBS-05BFFB-SR7001

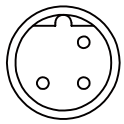
↘ M12 B-Coded (Shielded) > Field Installable > Female Connector > Straight

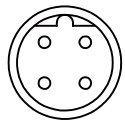
				
Type	Contact Type	4A/250V	4A/250V	4A/250V
Without Strain Relief	Screw Type	-	-	MSBS-05BFFB-SR7001

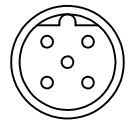
IP 65 . 67 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 B-Code (Metal Nut) > Receptacle > Male Connector > Front Fastened


Backshell: Hexagonal

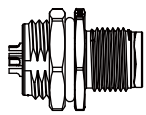


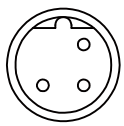


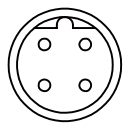


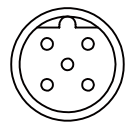
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12B-03PMMP-SF8001	M12B-04PMMP-SF8001	M12B-05PMMP-SF8001
	M16.0	M12B-03PMMP-SF8002	M12B-04PMMP-SF8001	M12B-05PMMP-SF8001
PCB Pin (90°)	M12	-	-	M12B-05PMMR-SF7003
	PG9	-	-	M12B-05PMMR-SF8001
	M16.0	-	-	M12B-05PMMR-SF8002
Solder Pin (180°)	PG9	M12B-03PMMS-SF8001	M12B-04PMMS-SF8001	M12B-05PMMS-SF8001
	M16.0	M12B-03PMMS-SF8002	M12B-04PMMS-SF8002	M12B-05PMMS-SF8002

↘ M12 B-Code (Metal Nut) > Receptacle > Male Connector > Front Fastened



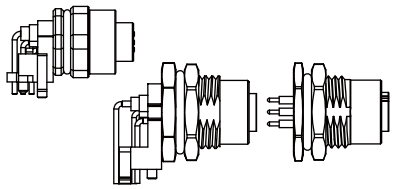
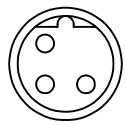
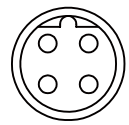
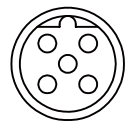




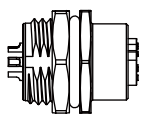
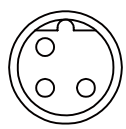
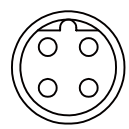
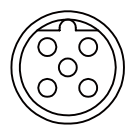


Type	Mounting Thread	4A/250V	4A/250V	4A/60V
Solder Pin (180°)	PG9	M12B-03PMMS-SH8001	M12B-04PMMS-SH8001	M12B-05PMMS-SH8001
	M16.0	M12B-03PMMS-SH8002	M12B-04PMMS-SH8002	M12B-05PMMS-SH8002

↘ M12 B-Code (Metal Nut) > Receptacle > Female Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180 ∘)	PG9	M12B-03PFFP-SF8001	M12B-04PFFP-SF8001	M12B-05PFFP-SF8001
	M16.0	M12B-03PFFP-SF8002	M12B-04PFFP-SF8001	M12B-05PFFP-SF8001
PCB Pin (90°)	M12	-	-	M12B-05PFFR-SF7003
	PG9	-	-	M12B-05PFFR-SF8001
	M16.0	-	-	M12B-05PFFR-SF8002
Solder Pin (180°)	PG9	M12B-03PFFS-SF8001	M12B-04PFFS-SF8001	M12B-05PFFS-SF8001
	M16.0	M12B-03PFFS-SF8002	M12B-04PFFS-SF8002	M12B-05PFFS-SF8002

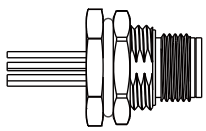
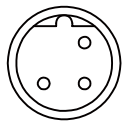
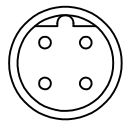
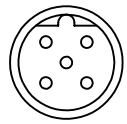
↘ M12 B-Code (Metal Nut) > Receptacle > Female Connector > Rear Fastened

				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
Solder Pin (180°)	PG9	M12B-03PMMS-SH8001	M12B-04PMMS-SH8001	M12B-05PMMS-SH8001
	M16.0	M12B-03PMMS-SH8002	M12B-04PMMS-SH8002	M12B-05PMMS-SH8002

* Design and specification are subject to change without notice.

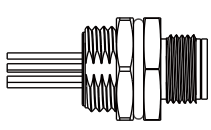
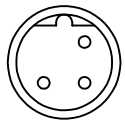
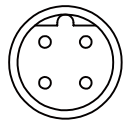
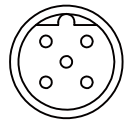
IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 B-Code (Metal Nut) > Receptacle with Wire Harness > Male Connector > Front Fastened

 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12B-03PMMC-SF8B15	M12B-04PMMC-SF8B15	M12B-05PMMC-SF8B15
	M16.0	M12B-03PMMC-SF8C15	M12B-04PMMC-SF8C15	M12B-05PMMC-SF8C15
300mm	PG9	M12B-03PMMC-SF8B30	M12B-04PMMC-SF8B30	M12B-05PMMC-SF8B30
	M16.0	M12B-03PMMC-SF8C30	M12B-04PMMC-SF8C30	M12B-05PMMC-SF8C30
500mm	PG9	M12B-03PMMC-SF8B50	M12B-04PMMC-SF8B50	M12B-05PMMC-SF8B50
	M16.0	M12B-03PMMC-SF8C50	M12B-04PMMC-SF8C50	M12B-05PMMC-SF8C50
1000mm	PG9	M12B-03PMMC-SF8BA0	M12B-04PMMC-SF8BA0	M12B-05PMMC-SF8BA0
	M16.0	M12B-03PMMC-SF8CA0	M12B-04PMMC-SF8CA0	M12B-05PMMC-SF8CA0
1500mm	PG9	M12B-03PMMC-SF8BA5	M12B-04PMMC-SF8BA5	M12B-05PMMC-SF8BA5
	M16.0	M12B-03PMMC-SF8CA5	M12B-04PMMC-SF8CA5	M12B-05PMMC-SF8CA5

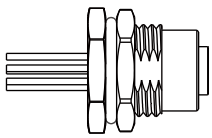
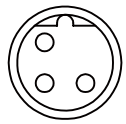
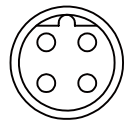
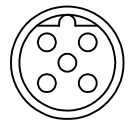
* Other wire types are available upon request.

↘ M12 B-Code (Metal Nut) > Receptacle with Wire Harness > Male Connector > Front Fastened

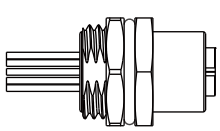
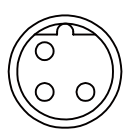
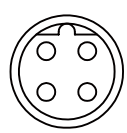
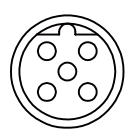
 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12B-03PMMC-SH8B15	M12B-04PMMC-SH8B15	M12B-05PMMC-SH8B15
	M16.0	M12B-03PMMC-SH8C15	M12B-04PMMC-SH8C15	M12B-05PMMC-SH8C15
300mm	PG9	M12B-03PMMC-SH8B30	M12B-04PMMC-SH8B30	M12B-05PMMC-SH8B30
	M16.0	M12B-03PMMC-SH8C30	M12B-04PMMC-SH8C30	M12B-05PMMC-SH8C30
500mm	PG9	M12B-03PMMC-SH8B50	M12B-04PMMC-SH8B50	M12B-05PMMC-SH8B50
	M16.0	M12B-03PMMC-SH8C50	M12B-04PMMC-SH8C50	M12B-05PMMC-SH8C50
1000mm	PG9	M12B-03PMMC-SH8BA0	M12B-04PMMC-SH8BA0	M12B-05PMMC-SH8BA0
	M16.0	M12B-03PMMC-SH8CA0	M12B-04PMMC-SH8CA0	M12B-05PMMC-SH8CA0
1500mm	PG9	M12B-03PMMC-SH8BA5	M12B-04PMMC-SH8BA5	M12B-05PMMC-SH8BA5
	M16.0	M12B-03PMMC-SH8CA5	M12B-04PMMC-SH8CA5	M12B-05PMMC-SH8CA5

* Other wire types are available upon request.

↘ M12 B-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector > Front Fastened

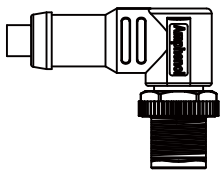
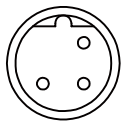
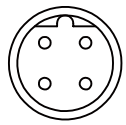
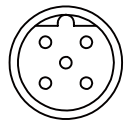
 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12B-03PFFC-SF8B15	M12B-04PFFC-SF8B15	M12B-05PFFC-SF8B15
	M16.0	M12B-03PFFC-SF8C15	M12B-04PFFC-SF8C15	M12B-05PFFC-SF8C15
300mm	PG9	M12B-03PFFC-SF8B30	M12B-04PFFC-SF8B30	M12B-05PFFC-SF8B30
	M16.0	M12B-03PFFC-SF8C30	M12B-04PFFC-SF8C30	M12B-05PFFC-SF8C30
500mm	PG9	M12B-03PFFC-SF8B50	M12B-04PFFC-SF8B50	M12B-05PFFC-SF8B50
	M16.0	M12B-03PFFC-SF8C50	M12B-04PFFC-SF8C50	M12B-05PFFC-SF8C50
1000mm	PG9	M12B-03PFFC-SF8BA0	M12B-04PFFC-SF8BA0	M12B-05PFFC-SF8BA0
	M16.0	M12B-03PFFC-SF8CA0	M12B-04PFFC-SF8CA0	M12B-05PFFC-SF8CA0
1500mm	PG9	M12B-03PFFC-SF8BA5	M12B-04PFFC-SF8BA5	M12B-05PFFC-SF8BA5
	M16.0	M12B-03PFFC-SF8CA5	M12B-04PFFC-SF8CA5	M12B-05PFFC-SF8CA5

↘ M12 B-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector > Rear Fastened

 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12B-03PFFC-SH8B15	M12B-04PFFC-SH8B15	M12B-05PFFC-SH8B15
	M16.0	M12B-03PFFC-SH8C15	M12B-04PFFC-SH8C15	M12B-05PFFC-SH8C15
300mm	PG9	M12B-03PFFC-SH8B30	M12B-04PFFC-SH8B30	M12B-05PFFC-SH8B30
	M16.0	M12B-03PFFC-SH8C30	M12B-04PFFC-SH8C30	M12B-05PFFC-SH8C30
500mm	PG9	M12B-03PFFC-SH8B50	M12B-04PFFC-SH8B50	M12B-05PFFC-SH8B50
	M16.0	M12B-03PFFC-SH8C50	M12B-04PFFC-SH8C50	M12B-05PFFC-SH8C50
1000mm	PG9	M12B-03PFFC-SH8BA0	M12B-04PFFC-SH8BA0	M12B-05PFFC-SH8BA0
	M16.0	M12B-03PFFC-SH8CA0	M12B-04PFFC-SH8CA0	M12B-05PFFC-SH8CA0
1500mm	PG9	M12B-03PFFC-SH8BA5	M12B-04PFFC-SH8BA5	M12B-05PFFC-SH8BA5
	M16.0	M12B-03PFFC-SH8CA5	M12B-04PFFC-SH8CA5	M12B-05PFFC-SH8CA5

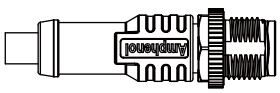
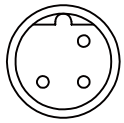
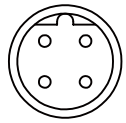
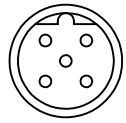
* Design and specification are subject to change without notice.

↘ M12 B-Code (Metal Nut) > Overmolded with cable > Male Connector > Right Angle

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12B-03BMMM-SR8XXX*	M12B-04BMMM-SR8XXX*	M12B-05BMMM-SR8XXX*

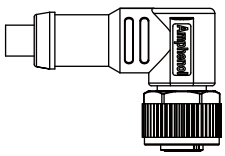
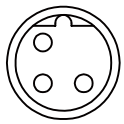
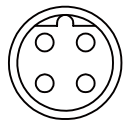
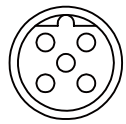
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 B-Code (Metal Nut) > Overmolded with cable > Male Connector > Straight

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12B-03BMMM-SL8XXX*	M12B-04BMMM-SL8XXX*	M12B-05BMMM-SL8XXX*

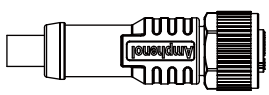
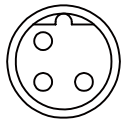
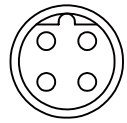
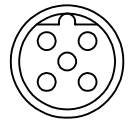
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 B-Code (Metal Nut) > Overmolded with cable > Female Connector > Right Angle

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12B-03BMMM-SR8XXX*	M12B-04BMMM-SR8XXX*	M12B-05BMMM-SR8XXX*

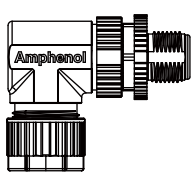
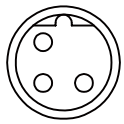
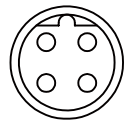
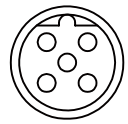
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

⇲ M12 B-Code (Metal Nut) > Overmolded with cable > Female Connector > Straight

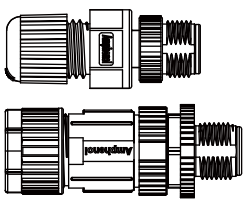
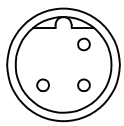
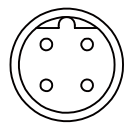
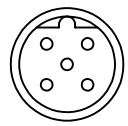
			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12B-03BFFM-SL8XXX*	M12B-04BFFM-SL8XXX*	M12B-05BFFM-SL8XXX*

* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

⇲ M12 B-Code (Metal Nut) > Overmolded with cable > Female Connector > Straight

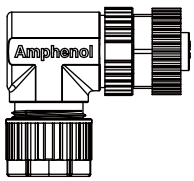
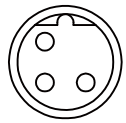
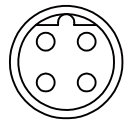
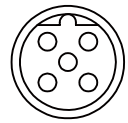
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	M12B-05BMMB-SR7001

⇲ M12 B-Code (Metal Nut) > Field Installable > Male Connector > Straight

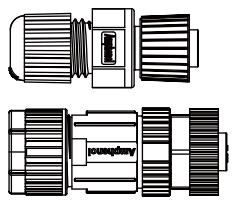
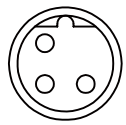
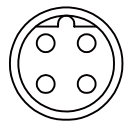
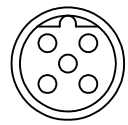
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	M12B-03BMMB-SL8001	M12B-04BMMB-SL8001	M12B-05BMMB-SL8001
	Screw Type	-	-	M12B-05BMMB-SL7001

* Design and specification are subject to change without notice.

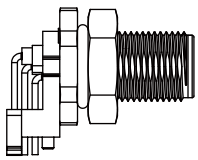
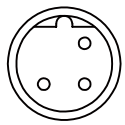
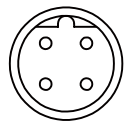
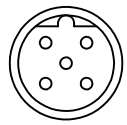
↘ M12 B-Code (Metal Nut) > Field Installable > Female Connector > Right Angle

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	M12B-05BFFB-SR7001

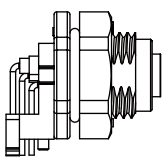
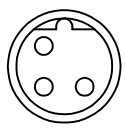
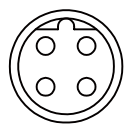
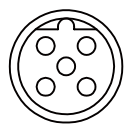
↘ M12 B-Code (Metal Nut) > Field Installable > Female Connector > Straight

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	M12B-05BFFB-SR7001

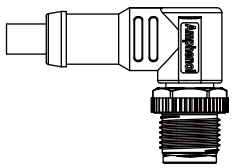
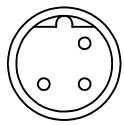
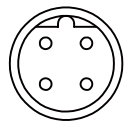
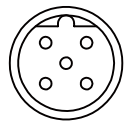
↘ M12 B-Code (Plastic) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/60V	4A/60V	4A/60V
PCB Pin (90°)	M12	-	-	MSBP-05PMMR-SF8003

↘ M12 B-Code (Plastic) > Receptacle > Female Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/60V	4A/60V	4A/60V
PCB Pin (90°)	M12	-	-	MSBP-05PMMR-SF8003

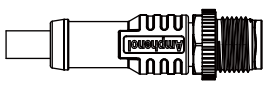
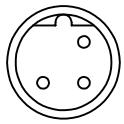
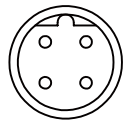
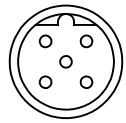
↘ M12 B-Code (Plastic) > Overmolded with cable > Male Connector > Right Angle

			
Type	4A/250V	4A/250V	4A/250V
Without Strain Relief	MSBP-03BMMM-SR8XXX*	MSBP-04BMMM-SR8XXX*	MSBP-05BMMM-SR8XXX*

* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

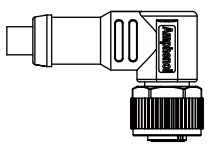
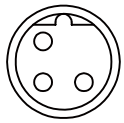
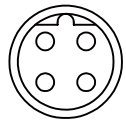
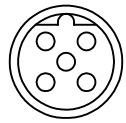
* Design and specification are subject to change without notice.

↘ M12 B-Code (Plastic) > Overmolded with cable > Male Connector > Straight

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSBP-03BMMM-SL8XXX*	MSBP-04BMMM-SL8XXX*	MSBP-05BMMM-SL8XXX*

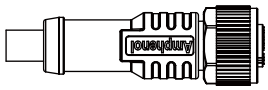
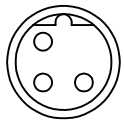
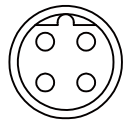
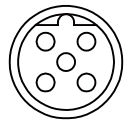
* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 B-Code (Plastic) > Overmolded with cable > Female Connector > Right Angle

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSBP-03BFFM-SR8XXX*	MSBP-04BFFM-SR8XXX*	MSBP-05BFFM-SR8XXX*

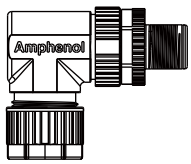
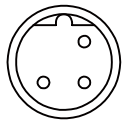
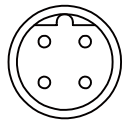
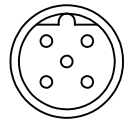
* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 B-Code (Plastic) > Overmolded with cable > Female Connector > Straight

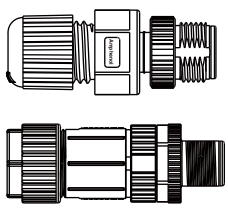
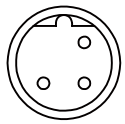
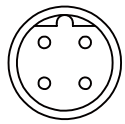
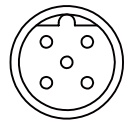
			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSBP-03BFFM-SL8XXX*	MSBP-04BFFM-SL8XXX*	MSBP-05BFFM-SL8XXX*

* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

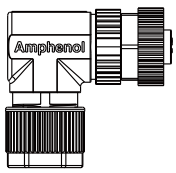
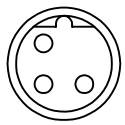
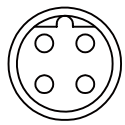
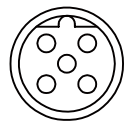
↘ M12 B-Code (Plastic) > Field Installable > Male Connector > Right Angle

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	MSBP-05BMMB-SR7001

↘ M12 B-Code (Plastic) > Field Installable > Male Connector > Straight

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	-	-	MSBP-05BMMB-SL8001
	Screw Type	-	-	MSBP-05BMMB-SL7001

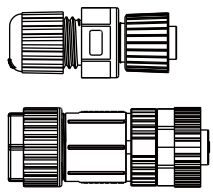
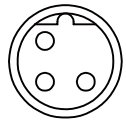
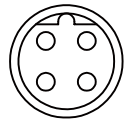
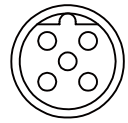
↘ M12 B-Coded (Plastic) > Field Installable > Female Connector > Right Angle

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	-	-	MSBP-05BMMB-SL8001
	Screw Type	-	-	MSBP-05BMMB-SL7001

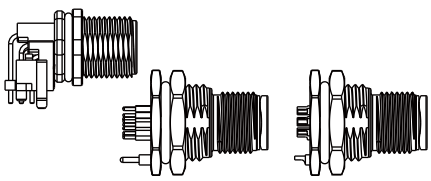
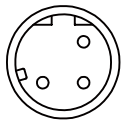
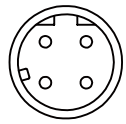
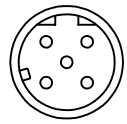
* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

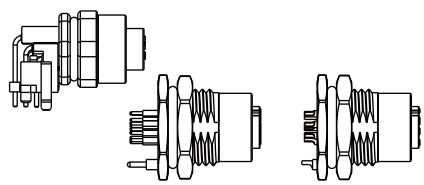
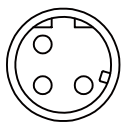
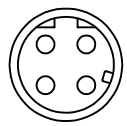
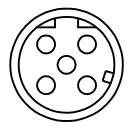
↘ M12 B-Coded (Plastic) > Field Installable > Female Connector > Straight

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	-	-	MSBP-05BFFB-SL8001
	Screw Type	-	-	MSBP-05BFFB-SL7001

↘ M12 D-Code (Shielded) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSDS-03PMMP-SF8001	MSDS-04PMMP-SF8001	MSDS-05PMMP-SF8001
	M16.0	MSDS-03PMMP-SF8002	MSDS-04PMMP-SF8002	MSDS-05PMMP-SF8002
PCB Pin (90°)	M12	-	MSDS-04PMMR-SF7003	-
Solder Pin (180°)	PG9	MSDS-03PMMS-SF8001	MSDS-04PMMS-SF8001	MSDS-05PMMS-SF8001
	M16.0	MSDS-03PMMS-SF8002	MSDS-04PMMS-SF8002	MSDS-05PMMS-SF8002

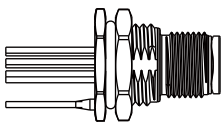
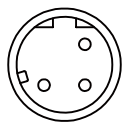
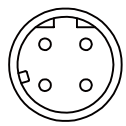
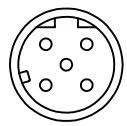
↘ M12 D-Code (Shielded) > Receptacle > Female Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSDS-03PFFP-SF8001	MSDS-04PFFP-SF8001	MSDS-05PFFP-SF8001
	M16.0	MSDS-03PFFP-SF8002	MSDS-04PFFP-SF8002	MSDS-05PFFP-SF8002
PCB Pin (90°)	M12	-	MSDS-04PFFP-SF7003	-
Solder Pin (180°)	PG9	MSDS-03PFFP-SF8001	MSDS-04PFFP-SF8001	MSDS-05PFFS-SF8001
	M16.0	MSDS-03PFFP-SF8002	MSDS-04PFFP-SF8002	MSDS-05PFFS-SF8002

* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 D-Code (Shielded) > Receptacle with Wire Harness > Male Connector > Front Fastened

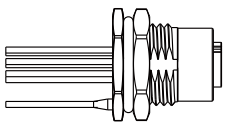
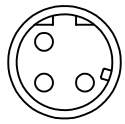
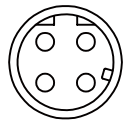
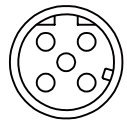





Backshell: Hexagonal

Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	MSDS-03PMMC-SF8B15	MSDS-04PMMC-SF8B15	MSDS-05PMMC-SF8B15
	M16.0	MSDS-03PMMC-SF8C15	MSDS-04PMMC-SF8C15	MSDS-05PMMC-SF8C15
300mm	PG9	MSDS-03PMMC-SF8B30	MSDS-04PMMC-SF8B30	MSDS-05PMMC-SF8B30
	M16.0	MSDS-03PMMC-SF8C30	MSDS-04PMMC-SF8C30	MSDS-05PMMC-SF8C30
500mm	PG9	MSDS-03PMMC-SF8B50	MSDS-04PMMC-SF8B50	MSDS-05PMMC-SF8B50
	M16.0	MSDS-03PMMC-SF8C50	MSDS-04PMMC-SF8C50	MSDS-05PMMC-SF8C50
1000mm	PG9	MSDS-03PMMC-SF8BA0	MSDS-04PMMC-SF8BA0	MSDS-05PMMC-SF8BA0
	M16.0	MSDS-03PMMC-SF8CA0	MSDS-04PMMC-SF8CA0	MSDS-05PMMC-SF8CA0
1500mm	PG9	MSDS-03PMMC-SF8BA5	MSDS-04PMMC-SF8BA5	MSDS-05PMMC-SF8BA5
	M16.0	MSDS-03PMMC-SF8CA5	MSDS-04PMMC-SF8CA5	MSDS-05PMMC-SF8CA5

* Other wire types are available upon request.

↘ M12 D-Code (Shielded) > Receptacle with Wire Harness > Female Connector > Front Fastened

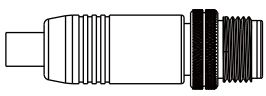
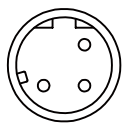
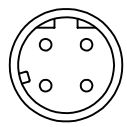
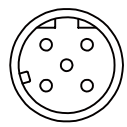





Backshell: Hexagonal

Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	MSDS-03PFFC-SF8B15	MSDS-04PFFC-SF8B15	MSDS-05PFFC-SF8B15
	M16.0	MSDS-03PFFC-SF8C15	MSDS-04PFFC-SF8C15	MSDS-05PFFC-SF8C15
300mm	PG9	MSDS-03PFFC-SF8B30	MSDS-04PFFC-SF8B30	MSDS-05PFFC-SF8B30
	M16.0	MSDS-03PFFC-SF8C30	MSDS-04PFFC-SF8C30	MSDS-05PFFC-SF8C30
500mm	PG9	MSDS-03PFFC-SF8B50	MSDS-04PFFC-SF8B50	MSDS-05PFFC-SF8B50
	M16.0	MSDS-03PFFC-SF8C50	MSDS-04PFFC-SF8C50	MSDS-05PFFC-SF8C50
1000mm	PG9	MSDS-03PFFC-SF8BA0	MSDS-04PFFC-SF8BA0	MSDS-05PFFC-SF8BA0
	M16.0	MSDS-03PFFC-SF8CA0	MSDS-04PFFC-SF8CA0	MSDS-05PFFC-SF8CA0
1500mm	PG9	MSDS-03PFFC-SF8BA5	MSDS-04PFFC-SF8BA5	MSDS-05PFFC-SF8BA5
	M16.0	MSDS-03PFFC-SF8CA5	MSDS-04PFFC-SF8CA5	MSDS-05PFFC-SF8CA5

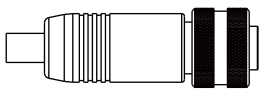
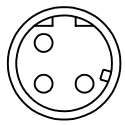
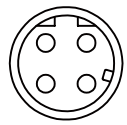
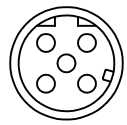
* Other wire types are available upon request.

↘ M12 D-Code (Shielded) > Overmolded with cable > Male Connector > Straight

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	MSDS-04BMMM-SL7XXX*	-

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M12 D-Code (Shielded) > Overmolded with cable > Female Connector > Straight

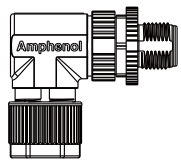
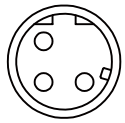
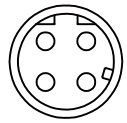
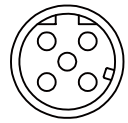
			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	MSDS-04BFFM-SL7XXX*	-

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

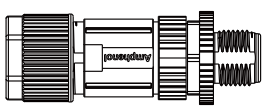
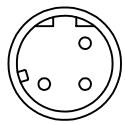
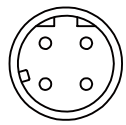
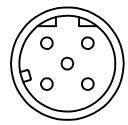
* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

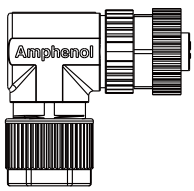
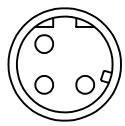
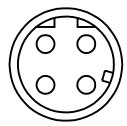
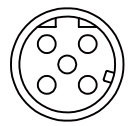
↘ M12 D-Code (Shielded) > Field Installable > Male Connector > Right Angle

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDS-04BMMB-SR7001	-

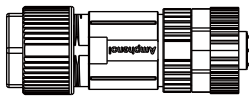
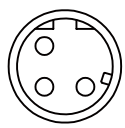
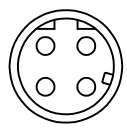
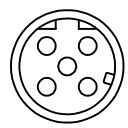
↘ M12 D-Code (Shielded) > Field Installable > Male Connector > Straight

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDS-04BMMB-SL7001	-

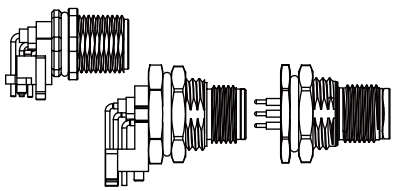
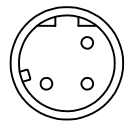
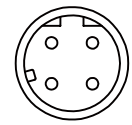
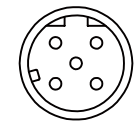
↘ M12 D-Code (Shielded) > Field Installable > Female Connector > Right Angle

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDS-04BMMB-SL7001	-

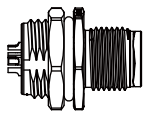
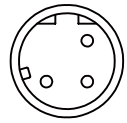
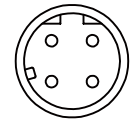
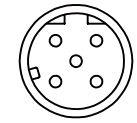
↘ M12 D-Code (Shielded) > Field Installable > Female Connector > Straight

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDS-04BFFB-SL7001	-

↘ M12 D-Code (Metal Nut) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12D-03PMMP-SF8001	M12D-04PMMP-SF8001	M12D-05PMMP-SF8001
	M16.0	M12D-03PMMP-SF8002	M12D-04PMMP-SF8001	M12D-05PMMP-SF8001
PCB Pin (90°)	M12	-	M12D-04PMMR-SF7003	-
	PG9	-	M12D-04PMMR-SF8001	-
	M16.0	-	M12D-04PMMR-SF8002	-
Solder Pin (180°)	PG9	M12D-03PMMS-SF8001	M12D-04PMMS-SF8001	M12D-05PMMS-SF8001
	M16.0	M12D-03PMMS-SF8002	M12D-04PMMS-SF8002	M12D-05PMMS-SF8002

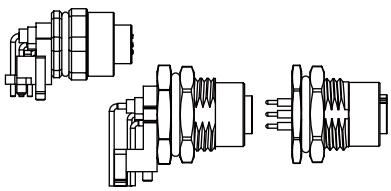
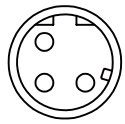
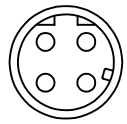
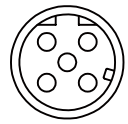
↘ M12 D-Code (Metal Nut) > Receptacle > Male Connector > Rear Fastened

				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
Solder Pin (180°)	PG9	M12D-03PMMS-SH8001	M12D-04PMMS-SH8001	M12D-05PMMS-SH8001
	M16.0	M12D-03PMMS-SH8002	M12D-04PMMS-SH8002	M12D-05PMMS-SH8002

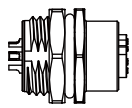
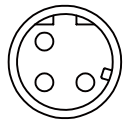
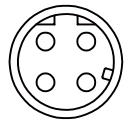
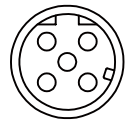
* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

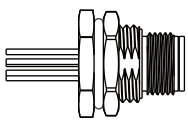
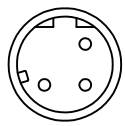
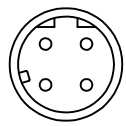
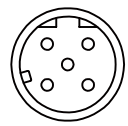
↘ M12 D-Code (Metal Nut) > Receptacle > Female Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12D-03PFFP-SF8001	M12D-04PFFP-SF8001	M12D-05PFFP-SF8001
	M16.0	M12D-03PFFP-SF8002	M12D-04PFFP-SF8001	M12D-05PFFP-SF8001
PCB Pin (90°)	M12	-	M12D-04PFFR-SF7003	-
	PG9	-	M12D-04PFFR-SF8001	-
	M16.0	-	M12D-04PFFR-SF8002	-
Solder Pin (180°)	PG9	M12D-03PFFS-SF8001	M12D-04PFFS-SF8001	M12D-05PFFS-SF8001
	M16.0	M12D-03PFFS-SF8002	M12D-04PFFS-SF8002	M12D-05PFFS-SF8002

↘ M12 D-Code (Metal Nut) > Receptacle > Female Connector > Front Fastened

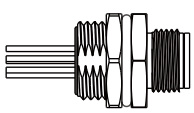
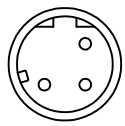
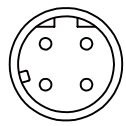
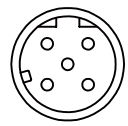
				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
Solder Pin (180°)	PG9	M12D-03PFFS-SH8001	M12D-04PFFS-SH8001	M12D-05PFFS-SH8001
	M16.0	M12D-03PFFS-SH8002	M12D-04PFFS-SH8002	M12D-05PFFS-SH8002

↘ M12 D-Code (Metal Nut) > Receptacle with Wire Harness > Male Connector > Front Fastened

 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12D-03PMMC-SF8B15	M12D-04PMMC-SF8B15	M12D-05PMMC-SF8B15
	M16.0	M12D-03PMMC-SF8C15	M12D-04PMMC-SF8C15	M12D-05PMMC-SF8C15
300mm	PG9	M12D-03PMMC-SF8B30	M12D-04PMMC-SF8B30	M12D-05PMMC-SF8B30
	M16.0	M12D-03PMMC-SF8C30	M12D-04PMMC-SF8C30	M12D-05PMMC-SF8C30
500mm	PG9	M12D-03PMMC-SF8B50	M12D-04PMMC-SF8B50	M12D-05PMMC-SF8B50
	M16.0	M12D-03PMMC-SF8C50	M12D-04PMMC-SF8C50	M12D-05PMMC-SF8C50
1000mm	PG9	M12D-03PMMC-SF8BA0	M12D-04PMMC-SF8BA0	M12D-05PMMC-SF8BA0
	M16.0	M12D-03PMMC-SF8CA0	M12D-04PMMC-SF8CA0	M12D-05PMMC-SF8CA0
1500mm	PG9	M12D-03PMMC-SF8BA5	M12D-04PMMC-SF8BA5	M12D-05PMMC-SF8BA5
	M16.0	M12D-03PMMC-SF8CA5	M12D-04PMMC-SF8CA5	M12D-05PMMC-SF8CA5

* Other wire types are available upon request.

↘ M12 D-Code (Metal Nut) > Receptacle with Wire Harness > Male Connector > Rear Fastened

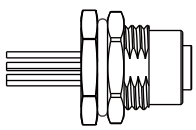
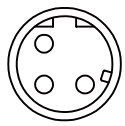
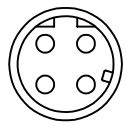
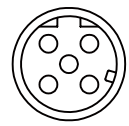
 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12D-03PMMC-SH8B15	M12D-04PMMC-SH8B15	M12D-05PMMC-SH8B15
	M16.0	M12D-03PMMC-SH8C15	M12D-04PMMC-SH8C15	M12D-05PMMC-SH8C15
300mm	PG9	M12D-03PMMC-SH8B30	M12D-04PMMC-SH8B30	M12D-05PMMC-SH8B30
	M16.0	M12D-03PMMC-SH8C30	M12D-04PMMC-SH8C30	M12D-05PMMC-SH8C30
500mm	PG9	M12D-03PMMC-SH8B50	M12D-04PMMC-SH8B50	M12D-05PMMC-SH8B50
	M16.0	M12D-03PMMC-SH8C50	M12D-04PMMC-SH8C50	M12D-05PMMC-SH8C50
1000mm	PG9	M12D-03PMMC-SH8BA0	M12D-04PMMC-SH8BA0	M12D-05PMMC-SH8BA0
	M16.0	M12D-03PMMC-SH8CA0	M12D-04PMMC-SH8CA0	M12D-05PMMC-SH8CA0
1500mm	PG9	M12D-03PMMC-SH8BA5	M12D-04PMMC-SH8BA5	M12D-05PMMC-SH8BA5
	M16.0	M12D-03PMMC-SH8CA5	M12D-04PMMC-SH8CA5	M12D-05PMMC-SH8CA5

* Other wire types are available upon request.

* Design and specification are subject to change without notice.

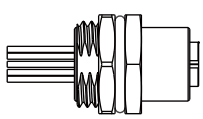
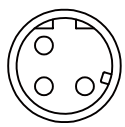
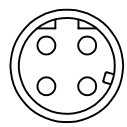
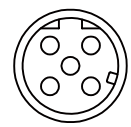
IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 D-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector > Front Fastened

 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12D-03PFFC-SF8B15	M12D-04PFFC-SF8B15	M12D-05PFFC-SF8B15
	M16.0	M12D-03PFFC-SF8C15	M12D-04PFFC-SF8C15	M12D-05PFFC-SF8C15
300mm	PG9	M12D-03PFFC-SF8B30	M12D-04PFFC-SF8B30	M12D-05PFFC-SF8B30
	M16.0	M12D-03PFFC-SF8C30	M12D-04PFFC-SF8C30	M12D-05PFFC-SF8C30
500mm	PG9	M12D-03PFFC-SF8B50	M12D-04PFFC-SF8B50	M12D-05PFFC-SF8B50
	M16.0	M12D-03PFFC-SF8C50	M12D-04PFFC-SF8C50	M12D-05PFFC-SF8C50
1000mm	PG9	M12D-03PFFC-SF8BA0	M12D-04PFFC-SF8BA0	M12D-05PFFC-SF8BA0
	M16.0	M12D-03PFFC-SF8CA0	M12D-04PFFC-SF8CA0	M12D-05PFFC-SF8CA0
1500mm	PG9	M12D-03PFFC-SF8BA5	M12D-04PFFC-SF8BA5	M12D-05PFFC-SF8BA5
	M16.0	M12D-03PFFC-SF8CA5	M12D-04PFFC-SF8CA5	M12D-05PFFC-SF8CA5

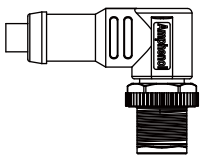
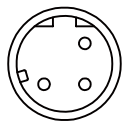
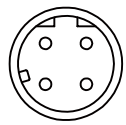
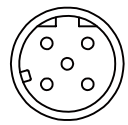
* Other wire types are available upon request.

↘ M12 D-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector > Rear Fastened

 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12D-03PFFC-SH8B15	M12D-04PFFC-SH8B15	M12D-05PFFC-SH8B15
	M16.0	M12D-03PFFC-SH8C15	M12D-04PFFC-SH8C15	M12D-05PFFC-SH8C15
300mm	PG9	M12D-03PFFC-SH8B30	M12D-04PFFC-SH8B30	M12D-05PFFC-SH8B30
	M16.0	M12D-03PFFC-SH8C30	M12D-04PFFC-SH8C30	M12D-05PFFC-SH8C30
500mm	PG9	M12D-03PFFC-SH8B50	M12D-04PFFC-SH8B50	M12D-05PFFC-SH8B50
	M16.0	M12D-03PFFC-SH8C50	M12D-04PFFC-SH8C50	M12D-05PFFC-SH8C50
1000mm	PG9	M12D-03PFFC-SH8BA0	M12D-04PFFC-SH8BA0	M12D-05PFFC-SH8BA0
	M16.0	M12D-03PFFC-SH8CA0	M12D-04PFFC-SH8CA0	M12D-05PFFC-SH8CA0
1500mm	PG9	M12D-03PFFC-SH8BA5	M12D-04PFFC-SH8BA5	M12D-05PFFC-SH8BA5
	M16.0	M12D-03PFFC-SH8CA5	M12D-04PFFC-SH8CA5	M12D-05PFFC-SH8CA5

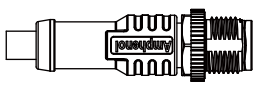
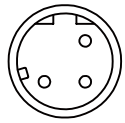
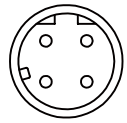
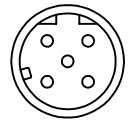
* Other wire types are available upon request.

↘ M12 D-Code (Metal Nut) > Overmolded with cable > Male Connector > Right Angle

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BMMM-SR8XXX*	M12D-04BMMM-SR8XXX*	M12D-05BMMM-SR8XXX*

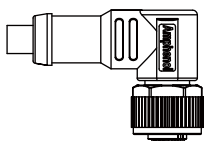
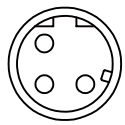
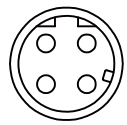
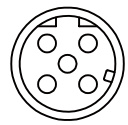
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 D-Code (Metal Nut) > Overmolded with cable > Male Connector > Straight

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BMMM-SL8XXX*	M12D-04BMMM-SL8XXX*	M12D-05BMMM-SL8XXX*

* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

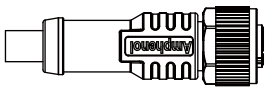
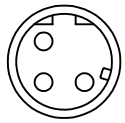
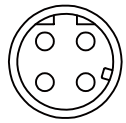
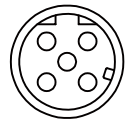
↘ M12 D-Code (Metal Nut) > Overmolded with cable > Female Connector > Right Angle

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BFFM-SR8XXX*	M12D-04BFFM-SR8XXX*	M12D-05BFFM-SR8XXX*

* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

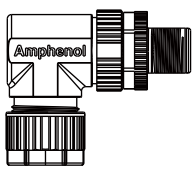
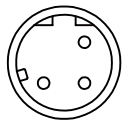
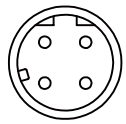
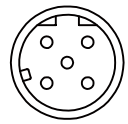
* Design and specification are subject to change without notice.

↘ M12 D-Code (Metal Nut) > Overmolded with cable > Female Connector > Straight

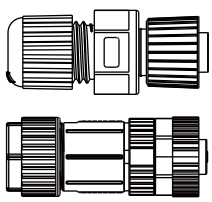
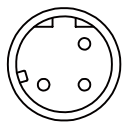
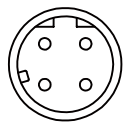
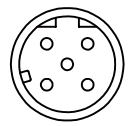
			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BFFM-SL8XXX*	M12D-04BFFM-SL8XXX*	M12D-05BFFM-SL8XXX*

* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU(UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC(UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

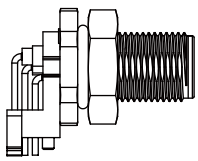
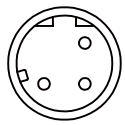
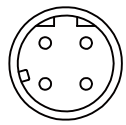
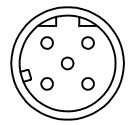
↘ M12 D-Code (Metal Nut) > Field Installable > Male Connector > Right Angle

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	M12D-04BMMB-SR7001	-

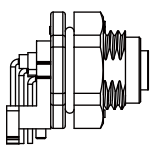
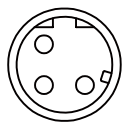
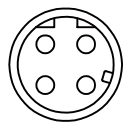
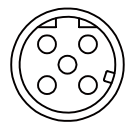
↘ M12 D-Code (Metal Nut) > Field Installable > Male Connector > Straight

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	M12D-03BMMA-SL8001	M12D-04BMMA-SL8001	M12D-05BMMA-SL8001
	Screw Type	-	M12D-04BMMB-SL7001	-

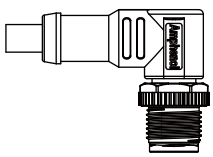
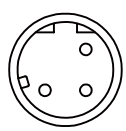
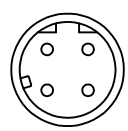
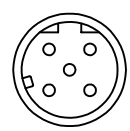
↘ M12 D-Code (Plastic) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (90°)	M12	-	MSDP-04PMMR-SF8003	-

↘ M12 D-Code (Plastic) > Receptacle > Female Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (90°)	M16	-	MSDP-04PFFR-SF8002	-

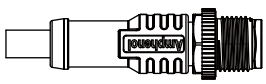
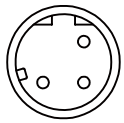
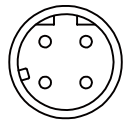
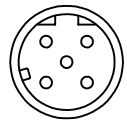
↘ M12 D-Code (Plastic) > Receptacle > Female Connector > Front Fastened

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSDP-03BMMM-SR8XXX*	MSDP-04BMMM-SR8XXX*	MSDP-05BMMM-SR8XXX*

* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

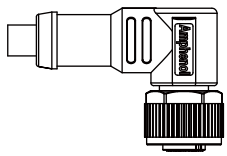
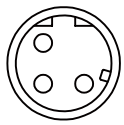
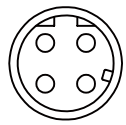
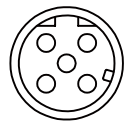
IP 65 . 67 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 D-Code (Plastic) > Overmolded with cable > Male Connector > Straight

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSDP-03BMMM-SL8XXX*	MSDP-04BMMM-SL8XXX*	MSDP-05BMMM-SL8XXX*

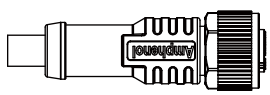
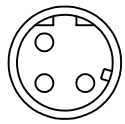
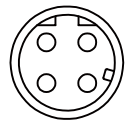
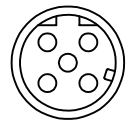
* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 D-Code (Plastic) > Overmolded with cable > Female Connector > Right Angle

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSDP-03BFFM-SR8XXX*	MSDP-04BFFM-SR8XXX*	MSDP-05BFFM-SR8XXX*

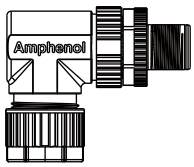
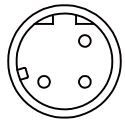
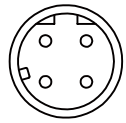
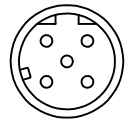
* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

↘ M12 D-Code (Plastic) > Overmolded with cable > Female Connector > Straight

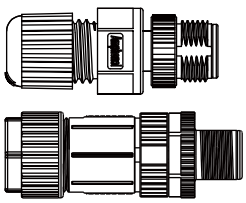
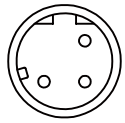
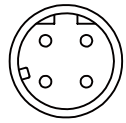
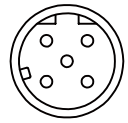
			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSDP-03BFFM-SR8XXX*	MSDP-04BFFM-SR8XXX*	MSDP-05BFFM-SR8XXX*

* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU (UL20549 Black): 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)
- PVC (UL2517 Black): 1M (D01) / 2M (D02) / 5M (D05) / 10M (D10)

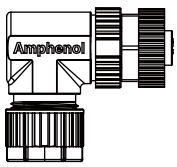
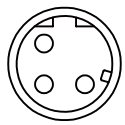
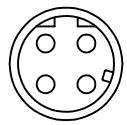
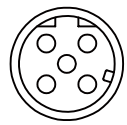
↘ M12 D-Code (Plastic) > Field Installable > Male Connector > Right Angle

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDP-04BMMB-SR7001	-

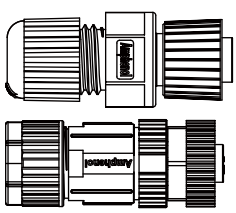
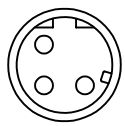
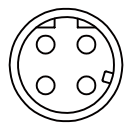
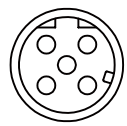
↘ M12 D-Code (Plastic) > Field Installable > Male Connector > Straight

				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDP-04BMMB-SR7001	-

↘ M12 D-Code (Plastic) > Field Installable > Female Connector > Right Angle

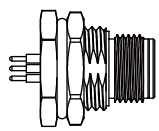
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDP-04BMMB-SR7001	-

↘ M12 D-Code (Plastic) > Field Installable > Female Connector > Straight

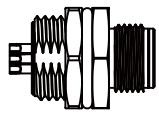
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	MSDP-03BFFA-SL8001	MSDP-04BFFA-SL8001	MSDP-05BFFA-SL8001
	Screw Type	-	MSDP-04BFFB-SL7001	-

IP 65 . 67 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

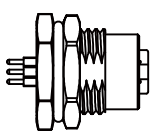
↘ M12 I Style (Metal) > Receptacle > Male Connector (Housing) > Front Fastened (Male+Female Contact)

 Backshell: Hexagonal	
Type	4A/60V
PCB Pin (180°)	M12I-05PMIP-SF8001
	M12I-05PMIP-SF8002
Solder Pin (180°)	M12I-05PMIS-SF8001
	M12I-05PMIS-SF8002

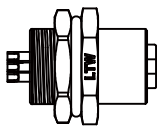
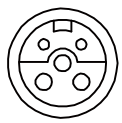
↘ M12 I Style (Metal) > Receptacle > Male Connector (Housing) > Rear Fastened (Male+Female Contact)

 Backshell: Hexagonal	
Type	4A/60V
Solder Pin (180°)	M12I-05PMIS-SH8001
	M12I-05PMIS-SH8002

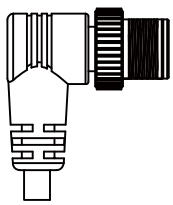
↘ M12 I Style (Metal) > Receptacle > Female Connector (Housing) > Front Fastened (Male+Female Contact)

 Backshell: Hexagonal	
Type	4A/60V
PCB Pin (180°)	M12I-05PFIP-SF8001
	M12I-05PFIP-SF8002
Solder Pin (180°)	M12I-05PFIS-SF8001
	M12I-05PFIS-SF8002

↘ M12 I Style (Metal) > Receptacle > Female Connector (Housing) > Rear Fastened (Male+Female Contact)

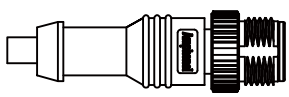
 Backshell: Hexagonal	
Type	4A/60V
Solder Pin (180°)	M12I-05PFIS-SH8001
	M12I-05PFIS-SH8002

↘ M12 I Style (Metal) > Overmolded with cable > Male Connector (Housing) > Right Angle (Male+Female Contact)

	
Type	4A/60V
With Strain Relief	M12I-05AMIM-SR7XXX*
Without Strain Relief	M12I-05BMIM-SR8XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

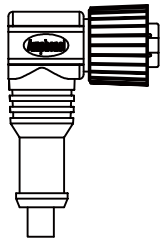
↘ M12 I Style (Metal) > Overmolded with cable > Male Connector (Housing) > Straight (Male+Female Contact)

	
Type	4A/60V
With Strain Relief	M12I-05AMIM-SL7XXX*
Without Strain Relief	M12I-05AMIM-SL8XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

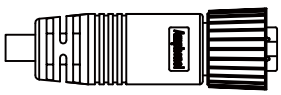
* Design and specification are subject to change without notice.

↘ M12 I Style (Metal) > Overmolded with cable > Female Connector (Housing) > Right Angle (Male+Female Contact)

	
Type	4A/60V
With Strain Relief	M12I-05AFIM-SR7XXX*
Without Strain Relief	M12I-05BFIM-SR8XXX*

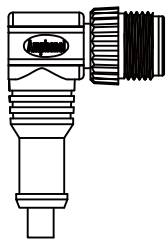
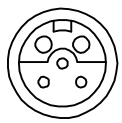
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M12 I Style (Metal) > Overmolded with cable > Female Connector (Housing) > Straight (Male+Female Contact)

	
Type	4A/60V
With Strain Relief	M12I-05AFIM-SL7XXX*
Without Strain Relief	M12I-05AFIM-SL8XXX*

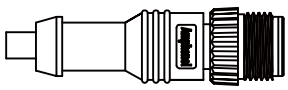
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M12 I Style (Plastic) > Overmolded with cable > Male Connector (Housing) > Right Angle (Male+Female Contact)

	
Type	4A/60V
Without Strain Relief	MSIP-05BMIM-SR8 XXX*

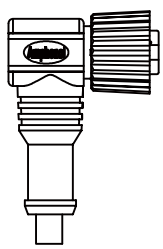
* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M12 I Style (Plastic) > Overmolded with cable > Male Connector (Housing) > Straight (Male+Female Contact)

	
Type	4A/60V
Without Strain Relief	MSIP-05BMIM-SL8XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

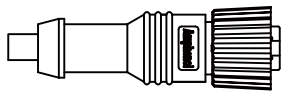
↘ M12 I Style (Plastic) > Overmolded with cable > Female Connector (Housing) > Right Angle (Male+Female Contact)

	
Type	4A/60V
Without Strain Relief	MSIP-05BMIM-SR8 XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

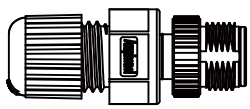
* Design and specification are subject to change without notice.

↘ M12 I Style (Plastic) > Overmolded with cable > Female Connector (Housing) > Straight (Male+Female Contact)

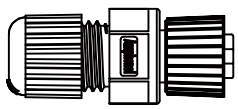
	
Type	4A/60V
Without Strain Relief	MSIP-05BFIM-SL8XXX*

* XXX: Choose the cable type and length:
- PVC: 1M (A01) / 2M (A02) / 5M (A05) / 10M (A10)
- PU: 1M (B01) / 2M (B02) / 5M (B05) / 10M (B10)

↘ M12 I Style (Metal) > Field Installable > Male Connector (Housing) > Straight (Male+Female Contact)

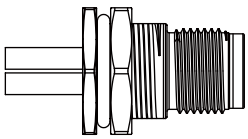
	
Type	4A/60V
Without Strain Relief	M12I-05BMIA-SL8001

↘ M12 I Style (Metal) > Field Installable > Female Connector (Housing) > Straight (Male+Female Contact)

	
Type	4A/60V
Without Strain Relief	M12I-05BFIA-SL8001

* Design and specification are subject to change without notice.

↘ M12 S-Code (Metal Nut) > Receptacle with Wire Harness > Male Connector > Front Fastened



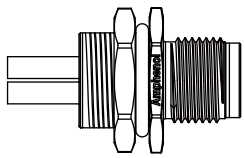


Backshell: Hexagonal

Wire Length (UL1007)*	Mounting Thread	12A/630V
150mm	PG9	M12S-04PMMC-SF8B15
	M16.0	M12S-04PMMC-SF8C15
300mm	PG9	M12S-04PMMC-SF8B30
	M16.0	M12S-04PMMC-SF8C30
500mm	PG9	M12S-04PMMC-SF8B50
	M16.0	M12S-04PMMC-SF8C50
1000mm	PG9	M12S-04PMMC-SF8BA0
	M16.0	M12S-04PMMC-SF8CA0
1500mm	PG9	M12S-04PMMC-SF8BA5
	M16.0	M12S-04PMMC-SF8CA5

* Other wire types are available upon request.

↘ M12 S-Code (Metal Nut) > Receptacle with Wire Harness > Male Connector > Rear Fastened



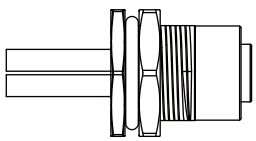


Backshell: Hexagonal

Wire Length (UL1007)*	Mounting Thread	12A/630V
150mm	PG9	M12S-04PMMC-SH8B15
	M16.0	M12S-04PMMC-SH8C15
300mm	PG9	M12S-04PMMC-SH8B30
	M16.0	M12S-04PMMC-SH8C30
500mm	PG9	M12S-04PMMC-SH8B50
	M16.0	M12S-04PMMC-SH8C50
1000mm	PG9	M12S-04PMMC-SH8BA0
	M16.0	M12S-04PMMC-SH8CA0
1500mm	PG9	M12S-04PMMC-SH8BA5
	M16.0	M12S-04PMMC-SH8CA5

* Other wire types are available upon request.

↘ M12 S-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector > Front Fastened



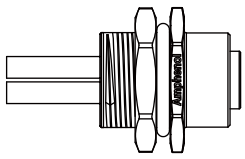


Backshell: Hexagonal

Wire Length (UL1007)*	Mounting Thread	12A/630V
150mm	PG9	M12S-04PFFC-SF8B15
	M16.0	M12S-04PFFC-SF8C15
300mm	PG9	M12S-04PFFC-SF8B30
	M16.0	M12S-04PFFC-SF8C30
500mm	PG9	M12S-04PFFC-SF8B50
	M16.0	M12S-04PFFC-SF8C50
1000mm	PG9	M12S-04PFFC-SF8BA0
	M16.0	M12S-04PFFC-SF8CA0
1500mm	PG9	M12S-04PFFC-SF8BA5
	M16.0	M12S-04PFFC-SF8CA5

* Other wire types are available upon request.

↘ M12 S-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector > Rear Fastened





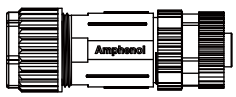
Backshell: Hexagonal

Wire Length (UL1007)*	Mounting Thread	12A/630V
150mm	PG9	M12S-04PFFC-SH8B15
	M16.0	M12S-04PFFC-SH8C15
300mm	PG9	M12S-04PFFC-SH8B30
	M16.0	M12S-04PFFC-SH8C30
500mm	PG9	M12S-04PFFC-SH8B50
	M16.0	M12S-04PFFC-SH8C50
1000mm	PG9	M12S-04PFFC-SH8BA0
	M16.0	M12S-04PFFC-SH8CA0
1500mm	PG9	M12S-04PFFC-SH8BA5
	M16.0	M12S-04PFFC-SH8CA5

* Other wire types are available upon request.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

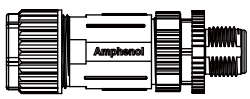
↘ M12 S-Code (Metal Nut) > Field Installable > Male Connector > Straight





Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12S-04BMMB-SL7002

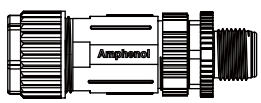
↘ M12 S-Code (Metal Nut) > Field Installable > Female Connector > Straight



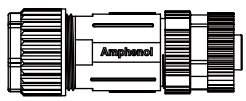


Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12S-04BFFB-SL7002

⇲ M12 S-Code (Plastic) > Field Installable > Male Connector > Straight

		
Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSSP-05BMMB-SL7002

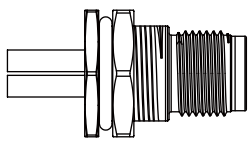
⇲ M12 S-Code (Plastic) > Field Installable > Female Connector > Straight

		
Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSSP-05BMMB-SL7002

* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 T-Code (Metal Nut) > Receptacle with Wire Harness > Male Connector > Front Fastened



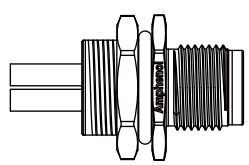


Backshell: Hexagonal

Wire Length (UL1007)*	Mounting Thread	4A/60V
150mm	PG9	M12T-04PMMC-SF8B15
	M16.0	M12T-04PMMC-SF8C15
300mm	PG9	M12T-04PMMC-SF8B30
	M16.0	M12T-04PMMC-SF8C30
500mm	PG9	M12T-04PMMC-SF8B50
	M16.0	M12T-04PMMC-SF8C50
1000mm	PG9	M12T-04PMMC-SF8BA0
	M16.0	M12T-04PMMC-SF8CA0
1500mm	PG9	M12T-04PMMC-SF8BA5
	M16.0	M12T-04PMMC-SF8CA5

* Other wire types are available upon request.

↘ M12 T-Code (Metal Nut) > Receptacle with Wire Harness > Male Connector > Rear Fastened



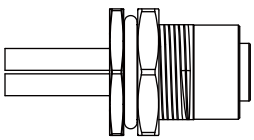


Backshell: Hexagonal

Wire Length (UL1007)*	Mounting Thread	4A/60V
150mm	PG9	M12T-04PMMC-SH8B15
	M16.0	M12T-04PMMC-SH8C15
300mm	PG9	M12T-04PMMC-SH8B30
	M16.0	M12T-04PMMC-SH8C30
500mm	PG9	M12T-04PMMC-SH8B50
	M16.0	M12T-04PMMC-SH8C50
1000mm	PG9	M12T-04PMMC-SH8BA0
	M16.0	M12T-04PMMC-SH8CA0
1500mm	PG9	M12T-04PMMC-SH8BA5
	M16.0	M12T-04PMMC-SH8CA5

* Other wire types are available upon request.

↘ M12 T-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector > Front Fastened

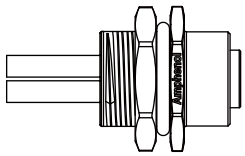



Backshell: Hexagonal

Wire Length (UL1007)*	Mounting Thread	4A/60V
150mm	PG9	M12T-04PFFC-SF8B15
	M16.0	M12T-04PFFC-SF8C15
300mm	PG9	M12T-04PFFC-SF8B30
	M16.0	M12T-04PFFC-SF8C30
500mm	PG9	M12T-04PFFC-SF8B50
	M16.0	M12T-04PFFC-SF8C50
1000mm	PG9	M12T-04PFFC-SF8BA0
	M16.0	M12T-04PFFC-SF8CA0
1500mm	PG9	M12T-04PFFC-SF8BA5
	M16.0	M12T-04PFFC-SF8CA5

* Other wire types are available upon request.

↘ M12 T-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector > Rear Fastened




Backshell: Hexagonal

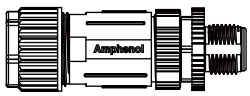
Wire Length (UL1007)*	Mounting Thread	4A/60V
150mm	PG9	M12T-04PFFC-SH8B15
	M16.0	M12T-04PFFC-SH8C15
300mm	PG9	M12T-04PFFC-SH8B30
	M16.0	M12T-04PFFC-SH8C30
500mm	PG9	M12T-04PFFC-SH8B50
	M16.0	M12T-04PFFC-SH8C50
1000mm	PG9	M12T-04PFFC-SH8BA0
	M16.0	M12T-04PFFC-SH8CA0
1500mm	PG9	M12T-04PFFC-SH8BA5
	M16.0	M12T-04PFFC-SH8CA5

* Other wire types are available upon request.

* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

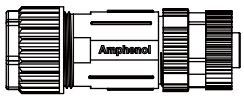
↘ M12 T-Code (Metal Nut) > Field Installable > Male Connector > Straight





Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12T-04BMMB-SL7002

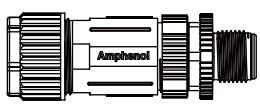
↘ M12 T-Code (Metal Nut) > Field Installable > Female Connector > Straight





Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12T-04BFFB-SL7002

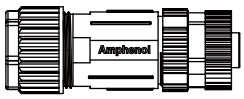
↘ M12 T-Code (Plastic) > Field Installable > Male Connector > Straight





Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSTP-05BMMB-SL7002

↘ M12 T-Code (Plastic) > Field Installable > Female Connector > Straight



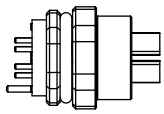


Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSTP-05BFFB-SL7002

* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

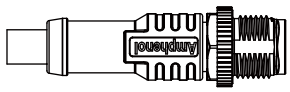
↘ M12 X-Code (Shielded) > Receptacle > Female Connector > Front Fastened





Type	Mounting Thread	4A/250V
PCB Pin (180°)	M12	MSXS-08PFFP-SF7001

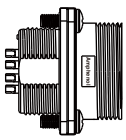
↘ M12 X-Code (Shielded) > Overmolded with cable > Male Connector > Straight





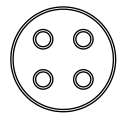
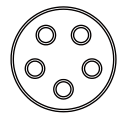
Type	0.5/48V
Without Strain Relief	MSXS-08BMMM-SL8XXX
Double ended cable	_

↘ Heavy Duty Shielded Connector (Shielded) > Receptacle > Male Connector (Housing) > Front Fastened

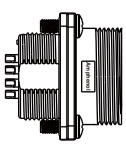


Backshell: Square
Mating style: Screw Thread
Mounting Thread: M3*4 pics

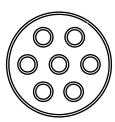
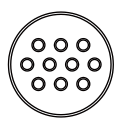
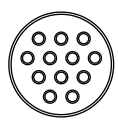
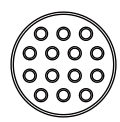


Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	PCB Pin (180°)/ Female	48H	-	-	-	-
		500H	-	-	-	-
10A/250V	PCB Pin (180°)/ Female	48H	-	-	LB20-04PMFS-SW8001	LB20-05PMFS-SW8001
		500H	-	-	HB20-04PMFS-SW8001	HB20-05PMFS-SW8001
20A/300V	PCB Pin (180°)/ Female	48H	LC20-02PMFS-SW8001	LC20-03PMFS-SW8001	-	-
		500H	HC20-02PMFS-SW8001	HC20-03PMFS-SW8001	-	-



Backshell: Square
Mating style: Screw Thread
Mounting Thread: M3*4 pics

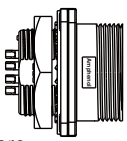





Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	PCB Pin (180°)/ Female	48H	-	LD20-10PMFS-SW8001	LD20-12PMFS-SW8001	LD20-14PMFS-SW8001
		500H	-	HD20-10PMFS-SW8001	HD20-12PMFS-SW8001	HD20-14PMFS-SW8001
10A/250V	PCB Pin (180°)/ Female	48H	LB20-07PMFS-SW8001	-	-	-
		500H	HB20-07PMFS-SW8001	-	-	-
20A/300V	PCB Pin (180°)/ Female	48H	-	-	-	-
		500H	-	-	-	-

* Design and specification are subject to change without notice.

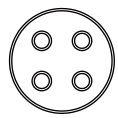
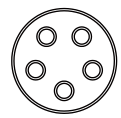
IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ Heavy Duty Shielded Connector (Shielded) > Receptacle > Male Connector (Housing) > Rear Fastened

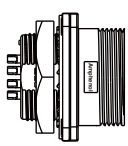


Backshell: Square
Mating style: Screw Thread With Nut
Mounting Thread: M20

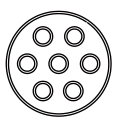
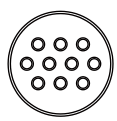
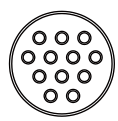
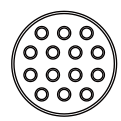


Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	PCB Pin (180°)/ Female	48H	-	-	-	-
		500H	-	-	-	-
10A/250V	PCB Pin (180°)/ Female	48H	-	-	LB20-04PMFS-SN8001	LB20-05PMFS-SN8001
		500H	-	-	HB20-04PMFS-SN8001	HB20-05PMFS-SN8001
20A/300V	PCB Pin (180°)/ Female	48H	LC20-02PMFS-SN8001	LC20-03PMFS-SN8001	-	-
		500H	HC20-02PMFS-SN8001	HC20-03PMFS-SN8001	-	-

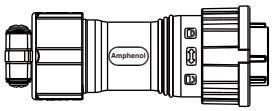


Backshell: Square
Mating style: Screw Thread With Nut
Mounting Thread: M20

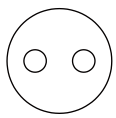
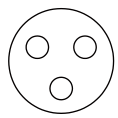
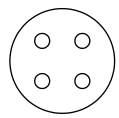
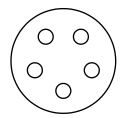





Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	PCB Pin (180) / Female	48H	-	LD20-10PMFS-SN8001	LD20-12PMFS-SN8001	LD20-14PMFS-SN8001
		500H	-	HD20-10PMFS-SN8001	HD20-12PMFS-SN8001	HD20-14PMFS-SN8001
10A/250V	PCB Pin (180) / Female	48H	LB20-07PMFS-SN8001	-	-	-
		500H	HB20-07PMFS-SN8001	-	-	-
20A/300V	PCB Pin (180) / Female	48H	-	-	-	-
		500H	-	-	-	-

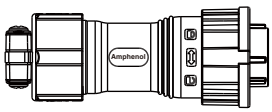
↘ Heavy Duty Shielded Connector (Shielded) > Field Installable > Female Connector (Housing) > Straight



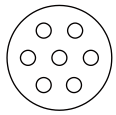
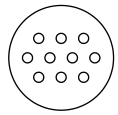
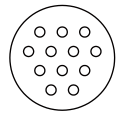
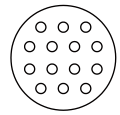
Without Strain Relief

Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Type / Male	48H	-	-	-	-
		500H	-	-	-	-
10A/250V	Solder Type / Male	48H	-	-	LB20-04BFMA-SL8001	LB20-05BFMA-SL8001
		500H	-	-	HB20-04BFMA-SL8001	HB20-05BFMA-SL8001
20A/300V	Solder Type / Male	48H	LC20-02BFMA-SL8001	LC20-03BFMA-SL8001	-	-
		500H	HC20-02BFMA-SL8001	HC20-03BFMA-SL8001	-	-



Without Strain Relief

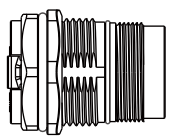





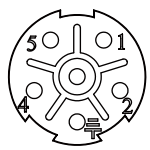
Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Type / Male	48H	-	LD20-10BFMA-SL8001	LD20-12BFMA-SL8001	LD20-14BFMA-SL8001
		500H	-	HD20-10BFMA-SL8001	HD20-12BFMA-SL8001	HD20-14BFMA-SL8001
10A/250V	Solder Type / Male	48H	LB20-07BFMA-SL8001	-	-	-
		500H	HB20-07BFMA-SL8001	-	-	-
20A/300V	Solder Type / Male	48H	-	-	-	-
		500H	-	-	-	-

* Design and specification are subject to change without notice.

IP 67 . 68 9
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M23 (Shielded) > Receptacle (Field Installable Type) > Male Connector (Housing) > Front Fastened

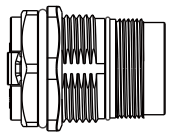




Backshell: Hexagonal

Type	Contact Gender	28A/100V
Crimp Pin	Male	LJ23-06PMMC-SF7001 LJ23-06PMMC-SF7002

↘ M23 (Shielded) > Receptacle (Field Installable Type) > Male Connector (Housing) > Front Fastened

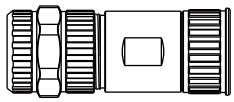


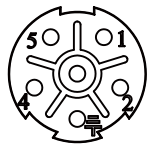


Backshell: Hexagonal

Type	Contact Gender	28A/100V
Crimp Pin	Male	LJ23-06PMMC-SF7001 LJ23-06PMMC-SF7002

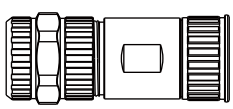
↘ M23 (Shielded) > Field Installable > Female Connector (Houseing) > Straight





Type	Contact Type	Contact Gender	28A/100V
Without Strain Relief	Crimp Pin	Male	LJ23-06DFMC-SL7001 LJ23-06DFMC-SL7002

↘ M23 (Shielded) > Field Installable > Female Connector (Houseing) > Straight





Type	Contact Type	Contact Gender	28A/100V
Without Strain Relief	Crimp Pin	Male	LJ23-06DFMC-SL7001 LJ23-06DFMC-SL7002