SAC-3P-M12Y/2XM12FS B PE - Y distributor

1683413

https://www.phoenixcontact.com/us/products/1683413

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Y distributor, 4-position, unshielded, Plug straight M12, coding: A, on Socket straight M12, coding: A, PIN 2+4 bridged and Socket straight M12, coding: A, PIN 2+4 bridged

Commercial data

Item number	1683413
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	BF1GAB
Catalog page	Page 252 (C-2-2019)
GTIN	4017918164171
Weight per piece (including packing)	28.9 g
Weight per piece (excluding packing)	28 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Notes

General	with center distance of 18 mm, suitable for molded connectors and unshielded connectors that can be assembled with QUICKON IDC terminal block connection technology and a connection range of 0.14 mm² to 0.34 mm²

Product properties

Product type	Y-distributor
Number of positions	4
No. of cable outlets	2
Shielded	no
Coding	A
Thread type	M12

Data management status

Article revision	07

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

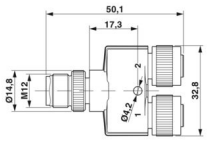
Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 A

Signaling

Status display	no
Status display present	No

Dimensions

Dimensional drawing	
Width	33 mm
Height	14.8 mm
Length	50.1 mm
Center distance	18 mm

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

Connector

Connection 1

Type	Plug straight M12
Coding type	A

Connection 2

Type	Socket straight M12
Coding type	A

Connection 3

Type	Socket straight M12
Coding type	A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)

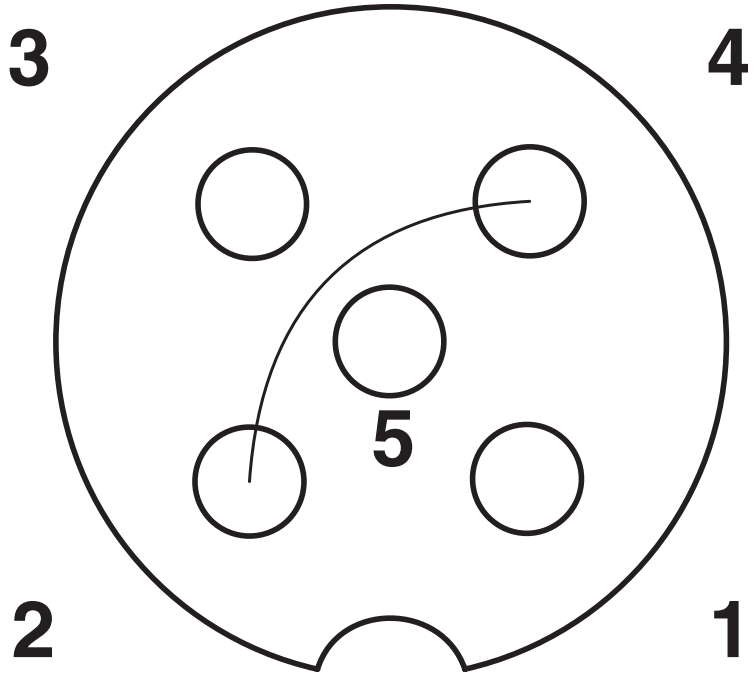
Standards and regulations

M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

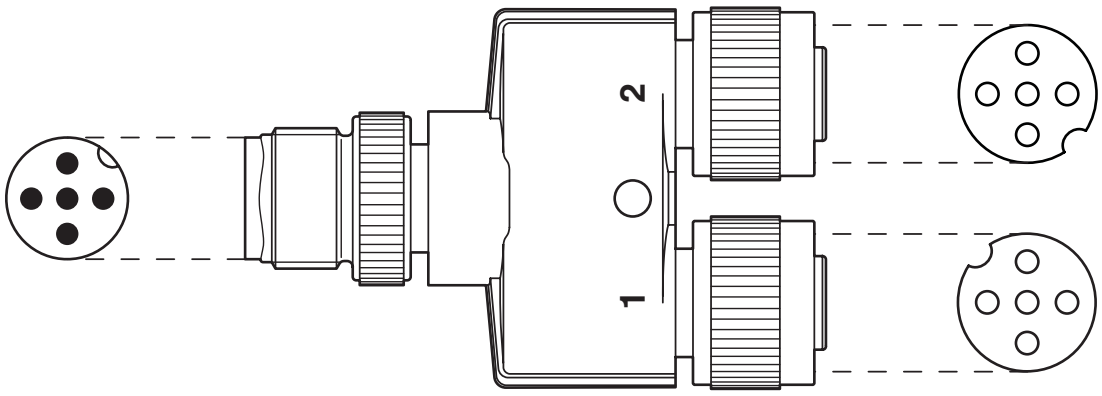
Drawings

Schematic diagram



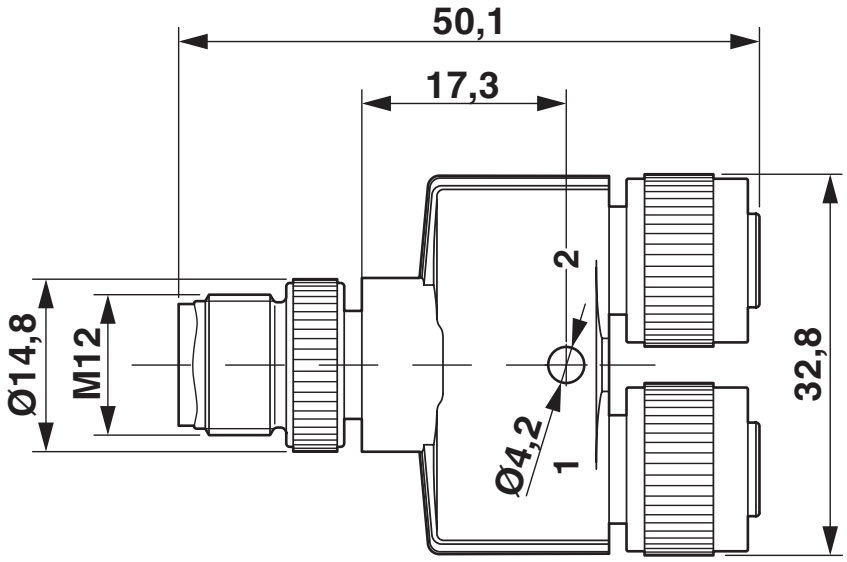
Connector pin assignment M12 socket, 3-pos., bridged, with PE, A-coded, female side view

Schematic diagram



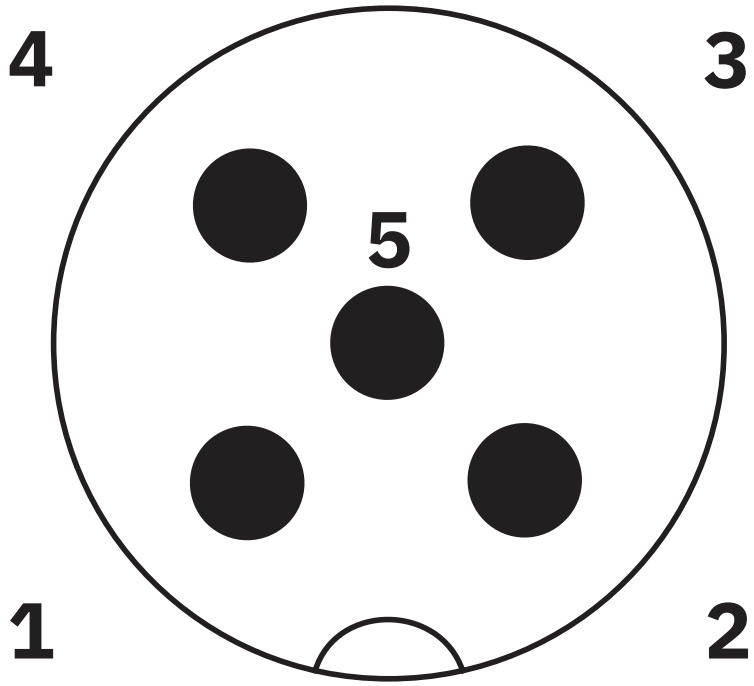
Layout of connector pin assignments

Dimensional drawing



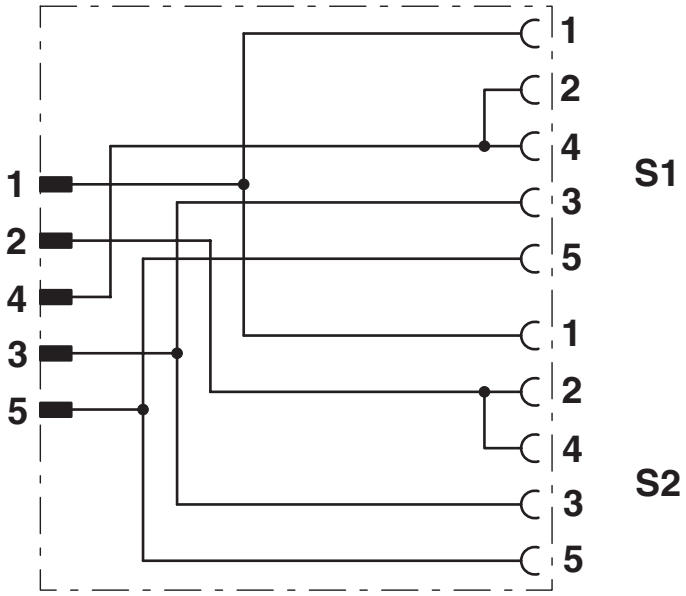
M12 Y distributor

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1683413

EAC
Approval ID: RU C-DE.AI30.B.01102

EAC
Approval ID: EAC-Zulassung

UL Listed
Approval ID: E221474

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	4 A	-	-

cUL Listed
Approval ID: E221474

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	4 A	-	-

EAC
Approval ID: RU C-DE.BL08.B.00511

cULus Listed

Classifications

ECLASS

ECLASS-11.0	27440106
ECLASS-12.0	27440106
ECLASS-13.0	27440106

ETIM

ETIM 9.0	EC002925

UNSPSC

UNSPSC 21.0	31251500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Accessories

PROT-M12 - Screw plug

1680539

https://www.phoenixcontact.com/us/products/1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FS - Sealing cap

1560251

https://www.phoenixcontact.com/us/products/1560251



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

PROT-M12 MS-PA-CHAIN - Screw plug

1430899

https://www.phoenixcontact.com/us/products/1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets



PROT-M12 FS-PA-CHAIN - Sealing cap

1430873

https://www.phoenixcontact.com/us/products/1430873

M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 plugs



TSD 04 SAC - Torque screwdriver

1208429

https://www.phoenixcontact.com/us/products/1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

SAC BIT M12-D15 - Tool

1208432

https://www.phoenixcontact.com/us/products/1208432



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

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