With a rugged metal housing and environmental protection rating of IP67 when mated, Bulgin's robust M16 circular DIN connector range is an ideal solution for ensuring that power and signal connections are not compromised in harsh environments and industrial applications.



Key features:

- Screw locking compliant with DIN EN 61076-2-106
- IP67 degree of protection
- Robust metal connector
- Excellent EMI shielding
- Contact variants from 3 - 12

M16 Series coding options:
(Full Contact Diagrams Page 199)



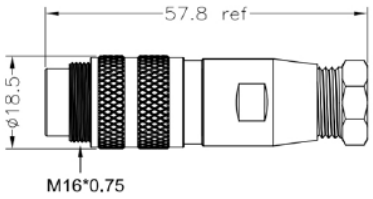
A-Coding

M16 Inline Body Male



PXMBNI16FIM

- 3, 4, 5, 6, 8 & 12 Contacts
- Solder termination
- Metal Inline Body
- Mates with Flex Body and panel mount connectors



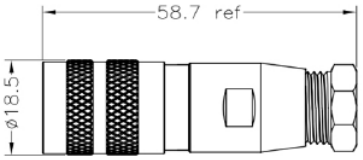
Part Number	Contacts	Code	Termination
PXMBNI16FIM03ASC	03	A	Solder Terminal
PXMBNI16FIM04ASC	04	A	Solder Terminal
PXMBNI16FIM05ASC	05	A	Solder Terminal
PXMBNI16FIM06ASC	06	A	Solder Terminal
PXMBNI16FIM08ASC	08	A	Solder Terminal
PXMBNI16FIM12ASC	12	A	Solder Terminal

M16 Flex Body Female



PXMBNI16FBF

- 3, 4, 5, 6, 8 & 12 Contacts
- Solder termination
- Metal Flex Body
- Mates with Inline Body and panel mount connectors



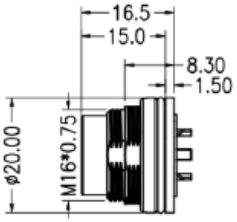
Part Number	Contacts	Code	Termination
PXMBNI16FBF03ASC	03	A	Solder Terminal
PXMBNI16FBF04ASC	04	A	Solder Terminal
PXMBNI16FBF05ASC	05	A	Solder Terminal
PXMBNI16FBF06ASC	06	A	Solder Terminal
PXMBNI16FBF08ASC	08	A	Solder Terminal
PXMBNI16FBF12ASC	12	A	Solder Terminal

M16 Rear Panel Mounting Male



PXMBNI16RPM

- 3, 4, 5, 6, 8 & 12 Contacts
- Solder termination
- Mates with Flex body connectors



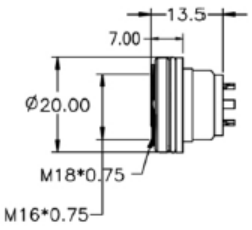
Part Number	Contacts	Code	Termination
PXMBNI16RPM03ASC	03	A	Solder Terminal
PXMBNI16RPM04ASC	04	A	Solder Terminal
PXMBNI16RPM05ASC	05	A	Solder Terminal
PXMBNI16RPM06ASC	06	A	Solder Terminal
PXMBNI16RPM08ASC	08	A	Solder Terminal
PXMBNI16RPM12ASC	12	A	Solder Terminal

M16 Rear Panel Mounting Female



PXMBNI16RPF

- 3, 4, 5, 6, 8 & 12 Contacts
- Solder termination
- Mates with Inline Body connectors



Part Number	Contacts	Code	Termination
PXMBNI16RPF03ASC	03	A	Solder Terminal
PXMBNI16RPF04ASC	04	A	Solder Terminal
PXMBNI16RPF05ASC	05	A	Solder Terminal
PXMBNI16RPF06ASC	06	A	Solder Terminal
PXMBNI16RPF08ASC	08	A	Solder Terminal
PXMBNI16RPF12ASC	12	A	Solder Terminal

Electrical

No. Contacts:	3	4	5	6	8	12
Current Rating:	7A	7A	6A	5A	5A	3A
Voltage Rating (ac/dc) :	250V	250V	250V	125V	60V	60V

Contact Resistance: <5mΩ 3, 4, 5, 6 and 8 Contacts
<3mΩ 12 Contacts

Insulation Resistance: >100^{3}MΩ

AC Breakdown Voltage:

3 Contacts	2.0KV
4 Contacts	2.0KV
5 Contacts	2.0KV
6 Contacts	1.5KV
8 Contacts	1.5KV
12 Contacts	1.5KV

Operating Temp Range: -25°C to 80°C

Mechanical:

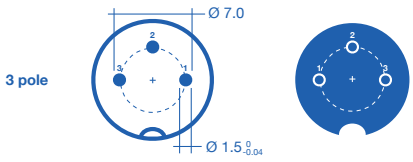
Locking Mechanism:	Screw coupling
Sealing:	IP67
Contact Accomodation:	
3, 4, 5, 6 and 8 Contacts	20AWG
12 Contacts	24 AWG
Cable Acceptance:	5.0 - 7.5mm Dia
Contacts:	Terminations:
	Solder
Mechanical Operation:	500 mating cycles
Diameter over coupling ring:	18.5mm

	Panel Mount:	Flex & Inline Connectors:
Body Material:	Nickel Plated Brass	Nickel Plated Brass
Coupling Nut Material:	Nickel Plated Brass	Nickel Plated Brass
Colour:	Grey	Grey
Plug Contacts Material:	Brass, Gold plating	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton	Viton
RoHS:	Compliant	Compliant

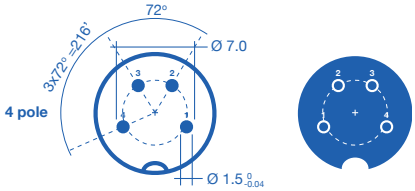
XXX	XXX	XX	XX	X	XX	X	XX	XXX
Series	**Material**	**Series Size**	**Body Style**	**Orientation**	**Contacts**	**Code**	**Termination**	**Mounting / Gland Nut Thread**
PXM	BNI = Brass Nickel	16	FB = Flex Body	M = Male	03	A	SC = Solder	PG9
			FI = Inline Body	F = Female	04			M16
			RP = Rear Panel Mounting		05			
					06			
					08			
					12			

Contact Diagrams (Front View 'A' Code):

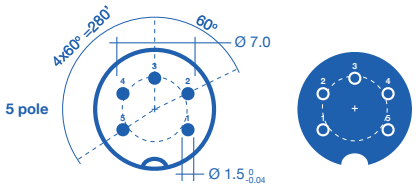
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XXXXXXXXXXF03XXXXXX



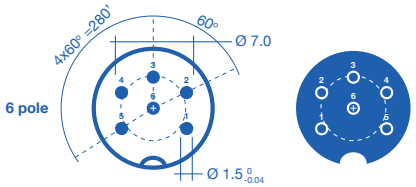
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XXXXXXXXXXF04XXXXXX



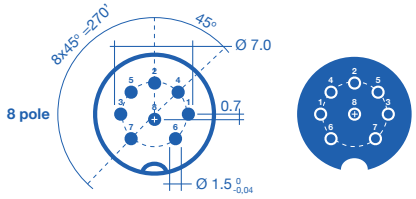
XXXXXXXXXXM05XXXXXX
XXXXXXXXXXF05XXXXXX



XXXXXXXXXXM06XXXXXX
XXXXXXXXXXF06XXXXXX



XXXXXXXXXXM08XXXXXX
XXXXXXXXXXF08XXXXXX



XXXXXXXXXXM12XXXXXX
XXXXXXXXXXF12XXXXXX

