

M16 Series

With excellent EMI shielding and an environmental protection rating of IP67 when mated, this robust M16 Screw locking compliant with DIN EN 61076-2-106 connector range is an ideal solution for ensuring that power and signal connections are not compromised in harsh environments and industrial applications.



- ⊕ Screw Locking Compliant with DIN EN 61076-2-106
- ⊕ IP67 Degree of Protection
- ⊕ Robust Metal Connector
- ⊕ Excellent EMI Shielding
- ⊕ Pole Variants from 3 - 12

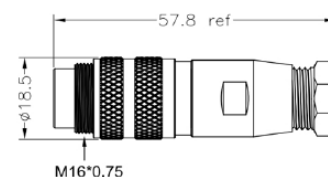
M16 Series

M16 Flex Inline Body Male



PXMBN16FIM

- ⬡ 3, 4, 5, 6, 8 & 12 Poles
- ⬡ Solder Termination
- ⬡ Metal Flex Inline Body
- ⬡ Mates with Flex Body & Panel Mount Connectors



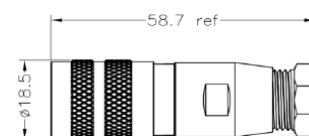
| Part No. | Poles | Code | Termination |
|-----------------|-------|------|-----------------|
| PXMBN16FIM03ASC | 03 | A | Solder Terminal |
| PXMBN16FIM04ASC | 04 | A | Solder Terminal |
| PXMBN16FIM05ASC | 05 | A | Solder Terminal |
| PXMBN16FIM06ASC | 06 | A | Solder Terminal |
| PXMBN16FIM08ASC | 08 | A | Solder Terminal |
| PXMBN16FIM12ASC | 12 | A | Solder Terminal |

M16 Flex Body Female



PXMBN16FBF

- ⬡ 3, 4, 5, 6, 8 & 12 Poles
- ⬡ Solder Termination
- ⬡ Metal Flex Body
- ⬡ Mates with Flex Inline Body & Panel Mount Connectors



| Part No. | Poles | Code | Termination |
|-----------------|-------|------|-----------------|
| PXMBN16FBF03ASC | 03 | A | Solder Terminal |
| PXMBN16FBF04ASC | 04 | A | Solder Terminal |
| PXMBN16FBF05ASC | 05 | A | Solder Terminal |
| PXMBN16FBF06ASC | 06 | A | Solder Terminal |
| PXMBN16FBF08ASC | 08 | A | Solder Terminal |
| PXMBN16FBF12ASC | 12 | A | Solder Terminal |

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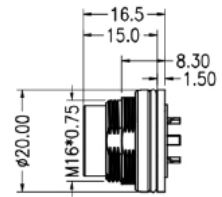


M16 Rear Panel Mounting Male



PXMBNI16RPM

- ⊕ 3, 4, 5, 6, 8 & 12 Poles
- ⊕ Solder Termination
- ⊕ Rear Panel Mount M16
- ⊕ Mates with Flex Body Connectors



| Part No. | Poles | Code | Termination |
|----------|-------|------|-------------|
|----------|-------|------|-------------|

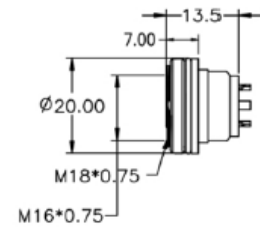
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| PXMBNI16RPM04ASC | 04 | A | Solder Terminal |
| PXMBNI16RPM05ASC | 05 | A | Solder Terminal |
| PXMBNI16RPM06ASC | 06 | A | Solder Terminal |
| PXMBNI16RPM08ASC | 08 | A | Solder Terminal |
| PXMBNI16RPM12ASC | 12 | A | Solder Terminal |

M16 Rear Panel Mounting Female



PXMBNI16RPF

- ⊕ 3, 4, 5, 6, 8 & 12 Poles
- ⊕ Solder Termination
- ⊕ Rear Panel Mount M16
- ⊕ Mates with Flex Inline Body Connectors



| Part No. | Poles | 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 |

M16 Series

Technical Overview Data

Electrical:

| | | | | | | |
|--------------------------------|------|------|------|------|-----|-----|
| No. Poles: | 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 & 8 Pole

<3mΩ 12 Pole

Insulation Resistance: >100³MΩ

AC Breakdown Voltage

| | |
|------------------------------|---------------|
| 3 Pole: | 2.0KV |
| 4 Pole: | 2.0KV |
| 5 Pole: | 2.0KV |
| 6 Pole: | 1.5KV |
| 8 Pole: | 1.5KV |
| 12 Pole: | 1.5KV |
| Operating Temp Range: | -25°C to 80°C |

Materials:

Body: Nickel Plated Brass

Coupling Nut: Nickel Plated Brass

Colour: Grey

Pin Contacts: Brass, Gold Plating

Socket Contacts: Phosphor Bronze, Gold Plating

O Rings & Gaskets: Viton

RoHS

Panel Mount:

Nickel Plated Brass

Nickel Plated Brass

Grey

Brass, Gold Plating

Phosphor Bronze, Gold Plating

Viton

Compliant

Mechanical:

Locking Mechanism: Screw Coupling

Sealing: IP67

Contact Accommodation

3, 4, 5, 6 & 8 Pole: 20 AWG

12 Pole: 24 AWG

Cable Acceptance: 5.0 - 7.5mm Dia

Terminations: Solder

Mechanical Operation: 500 Mating Cycles

Diameter Over Coupling Ring: 18.5mm

Flex & Inline Connectors:

Nickel Plated Brass

Nickel Plated Brass

Grey

Brass, Gold plating

Phosphor Bronze, Gold plating

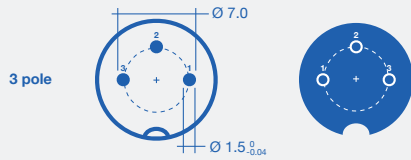
Viton

Compliant

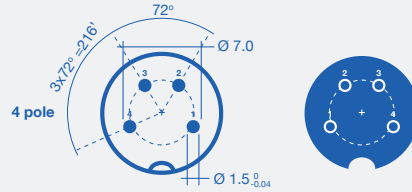
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Contact Diagrams (Front View 'A' Code)

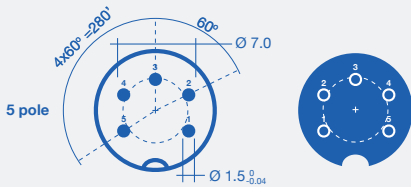
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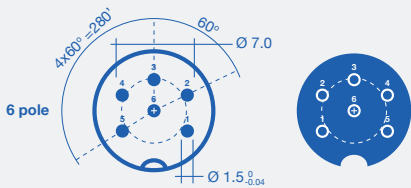
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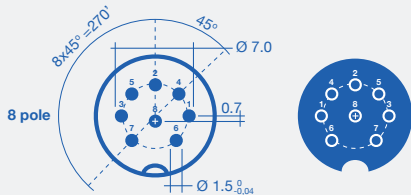
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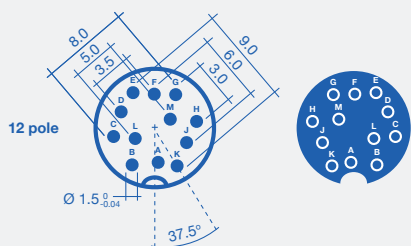
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XXXXXXXXXXM08XXXXXXXX
XXXXXXXXXXF08XXXXXXXX



XXXXXXXXXXM12XXXXXXXX
XXXXXXXXXXF12XXXXXXXX



M16 Series

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