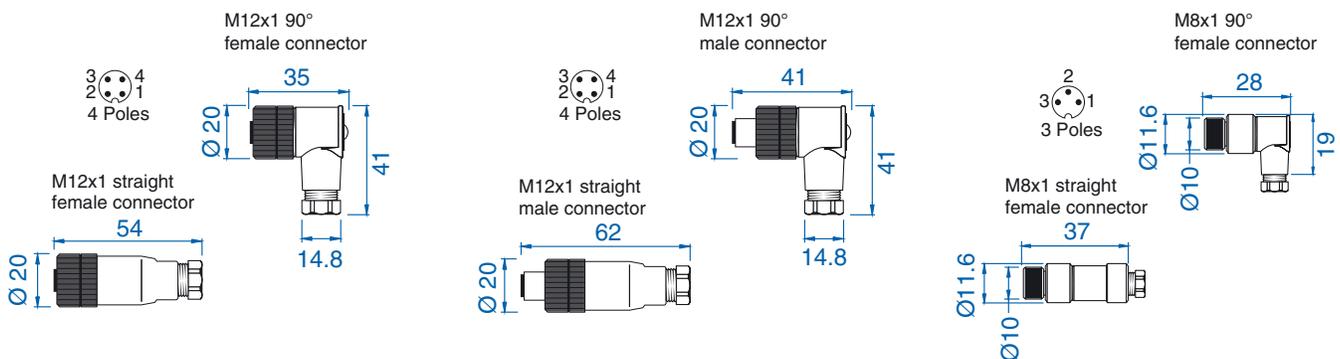


M8 and M12, 3 and 4 Wire Male/Female Connectors



| Connector Size/Mount | M12 4 Wire Connector | | M8 3 Wire Connector |
|----------------------|----------------------|------|---------------------|
| Type | Female | Male | Female |
| 90° Angle | KF90 | KM90 | K1F90VA |
| Straight | KFD | KMD | K1FDVA |

Size and Contact Configuration



| | M12 4 pole male/female | M8 3 pole female |
|--|---|--|
| Connector Polarity | 4 pole | 3 pole |
| Nominal Voltage | 125V DC/ 150V AC (III/3) | 60V DC/ 75V AC (III/3) |
| Nominal Current | 4A | 4A |
| Contact Resistance | <8mΩ | <5mΩ |
| Mass Resistivity | >10 ¹² Ω cm | >10 ¹⁰ Ω cm |
| Test Voltage | 1250V (not connected) | 1200V (not connected) |
| Contact Material | CuSnZn | CuZn |
| Contact Surface Covering Material | Ni | Au |
| Connector Material | PBT/PA (PBT thermoplastic material -polyester PA polyamide) | PA (polyamide 6.6) - nickel-plated brass |
| Connector Plastic Parts Color | Black - RAL 9005r | Black - RAL 9005r |
| Connector Operating Temperature Limits | -40° / +85°C | -25° / +90°C |
| Protection Degree in Accordance with EN 60529 (IEC 60529 AND DIN VDE 0470-1) | IP67 | IP67 |
| Cable Gland | PG7 | - |
| Cable Gland Nut Tightening Torque | - | 2.5 Nm |
| Material of Conductors External Diameter | - | PVC-TPE flexible and semiflexible |
| Single Conductors External Diameter | - | 1.0-1.3mm (with black moving) 6-8 (mm) |
| External Min/Max Diameter of the Cable to be Wired | 6-8 (mm) | 3.0-5.0 (mm) |
| Section to be Wired with Flexible Conductors | 0.25-0.75 mm ² | 0.14-0.25 mm ² / AWG 26-24 0.25-0.34 mm ² / AWG 24-22 |
| Wiring Nut Features | 20mm external dia M12x1 threading Nickel-plated brass | 10mm external dia M8x1 threading Nickel-plated brass |
| Combustibility Class According to UL94 | HB | V0 |
| Connection | screw | Piercecon |