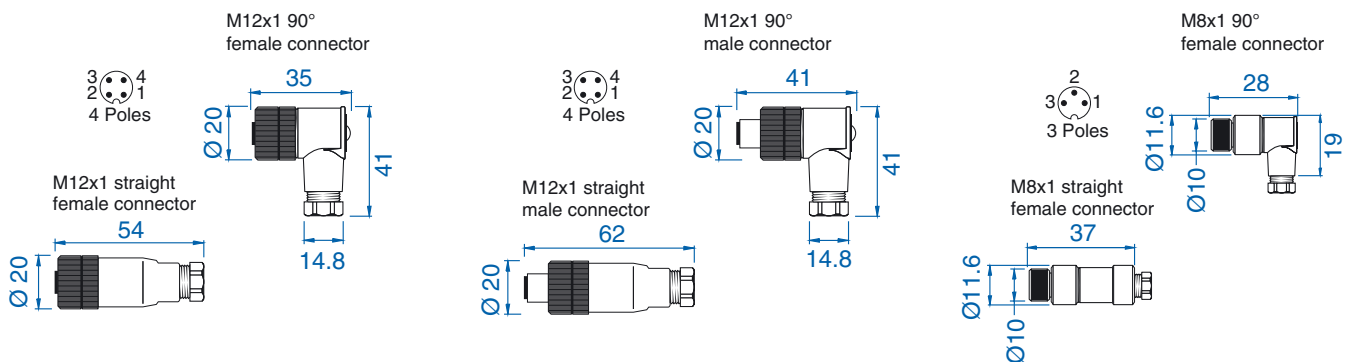


M8 and M12, 3 and 4 Wire Male/Female Connectors



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

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