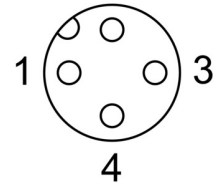
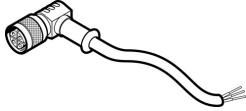


Connecting cable SIM-M12-RS-3WD-3

Part number: 30451

FESTO



Data sheet

Feature	Value
Type code	SIM
Conforms to standard	Wire colors and connection numbers as per EN 60947-5-2 EN 61076-2-101 EN 61984
Cable designation	Without label holder
Electrical connection 1, function	Field device end
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	4
Electrical connection 1, occupied pins/wires	3
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00991922
Electrical connection 2, function	Control side
Electrical connection 2, connection type	Cable
Electrical connection 2, connection technology	Open end
Electrical connection 2, number of pins/wires	3
Electrical connection 2, occupied pins/wires	3
DC operating voltage range	0 V ... 70 V
Operating voltage range AC	0 V ... 45 V
Current rating at 40°C	4 A
Surge resistance	2.5 kV
Cable length	3 m
Cable characteristic	Resistant to welding spatter
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Cable chain: 5 million cycles, bending radius 75 mm
Bending radius, fixed cable installation	≥28 mm
Bending radius, flexible cable installation	≥55 mm
Cable diameter	5.2 mm
Cable diameter tolerance	± 0.3 mm
Cable design	3 x 0.5 mm ²
Nominal conductor cross section	0.5 mm ²
Wire ends	Cable end sleeve

Feature	Value
Degree of protection	IP65 IP67
Note on degree of protection	In mounted state
Special features	Resistant to welding spatter
Ambient temperature	-25 °C ... 80 °C
Ambient temperature with flexible cable installation	0 °C ... 80 °C
CE marking (see declaration of conformity)	As per EU RoHS directive
Contamination level	3
Material of cable sheath	PVC, cross-linked by irradiation
Color cable sheath	Orange
Housing material	TPE-U(PUR)
Housing colour	Black
Material of screw-type lock	Brass, chrome-plated
Material of pin contacts	Brass, gold-plated
Insulating sheath material	PVC, cross-linked by irradiation