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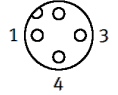# SIM-M12-RS-3WD-3

Part number: 30451
Product to be discontinued

For sensors and proximity switches.

Type to be discontinued. Available until 2023. See Support Portal for alternative products.

FESTO

Data sheet

Feature	Value
Conforms to standard	Core colours and connection numbers to EN 60947-5-2
	EN 61076-2-101
	EN 61984
Cable identification	Without inscription label holder
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plug socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, connection technology	M12x1, A-coded in accordance with 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 lock
Electrical connection 2, function	Controller 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
Operating voltage range DC	0 … 70 V
Operating voltage range AC	0 … 45 V
Acceptable current load at 40°C	4 A
Surge strength	2.5 kV
Cable length	3 m
Cable attribute	Resistant to welding spatter
Test conditions of cable	Bending strength according to Festo standard
	Test conditions on request
	Chain link trunking: 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 structure	3x0,5
Nominal conductor cross-section	0.5 mm2
Wire ends	Wire end ferrule
Protection class	IP65
	IP67
Note on degree of protection	in assembled condition
Special characteristics	Resistant to welding spatter
Ambient temperature	-25 … 80 °C
Ambient temperature with flexible cable installation	0 … 80 °C
CE symbol (see declaration of conformity)	in accordance with EU RoHS directive
PWIS conformity	VDMA24364-B2-L
Degree of contamination	3

Feature	Value
Material cable sheath	PVC, irradiated
Cable sheath color	Orange
Material housing	TPE-U(PUR)
Housing color	Black
Material screw-type lock	Brass, chrome-plated
Material electrical contact	Brass, gold-plated
Material insulation	PVC, irradiated