

Connecting cable SIM-K-WD-2,5-PU

Part number: 164255

FESTO



Data sheet

Feature	Value
Type code	SIM
Conforms to standard	Wire colors and connection numbers as per EN 60947-5-2 EN 61076-2-104 EN 61984
Cable designation	Without label holder
Contact durability	100
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	M8 snap-locking A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, occupied pins/wires	3
Electrical connection 1, type of mounting	Snap-locking
Electrical connection for input 1, connection pattern	00991871
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 ... 60 V
Operating voltage range AC	0 V ... 60 V
Current rating at 40°C	3 A
Surge resistance	1.5 kV
Cable length	2.5 m
Cable characteristic	Standard
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Cable chain: 5 million cycles, bending radius 28 mm
Bending radius, fixed cable installation	≥23 mm
Bending radius, flexible cable installation	≥46 mm
Cable diameter	4.5 mm
Cable diameter tolerance	± 0.1 mm
Cable design	3 x 0.25 mm ²
Nominal conductor cross section	0.25 mm ²

Feature	Value
Wire ends	Cable end sleeve
Degree of protection	IP65 IP67
Note on degree of protection	In mounted state
Ambient temperature	-25 °C ... 70 °C
Ambient temperature with flexible cable installation	-5 °C ... 70 °C
Storage temperature	-25 °C ... 70 °C
CE marking (see declaration of conformity)	As per EU low voltage directive
Note on materials	Free of copper and PTFE RoHS-compliant Halogen-free
Contamination level	3
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Gray
Housing material	TPE-U(PUR)
Housing colour	Black
Seals material	NBR
Material of pin contacts	Brass, gold-plated
Insulating sheath material	PP