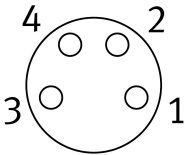# Connecting cable
SIM-K-4-WD-2,5-PU

Part number: 164252

Data sheet

Feature	Value
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	4
Electrical connection 1, occupied pins/wires	4
Electrical connection 1, type of mounting	Snap-locking
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	4
Electrical connection 2, occupied pins/wires	4
DC operating voltage range	0 V...30 V
Operating voltage range AC	0 V...30 V
Current rating at 40° C	3 A
Surge resistance	0.8 kV
Cable length	2.5 m
Cable characteristic	Standard
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Energy 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

Feature	Value
Cable design	4 x 0.25 mm²
Nominal conductor cross section	0.25 mm²
Wire ends	Cable end sleeve
Degree of protection	IP65 IP67
Note on degree of protection	In mounted state
Ambient temperature	-25 ºC...70 ºC
Ambient temperature with flexible cable installation	-5 ºC...70 ºC
Storage temperature	-25 ºC...70 ºC
CE marking (see declaration of conformity)	As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	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