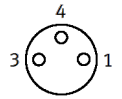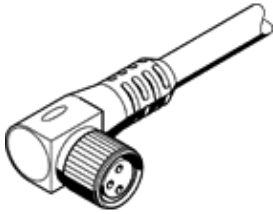# Connecting cable
SIM-K-WD-2,5-PU
Part number: 164255

For sensors and proximity switches.

Data sheet

Feature	Value
Conforms to standard	Core colours and connection numbers to EN 60947-5-2 EN 61076-2-104 EN 61984
Cable identification	Without inscription label holder
Connection frequency	100
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	M8 snap-locking A-coded to 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-in locking
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 ... 60 V
Operating voltage range AC	0 ... 60 V
Acceptable current load at 40°C	3 A
Surge strength	1.5 kV
Cable length	2.5 m
Cable attribute	Standard
Test conditions of cable	Bending strength according to 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
Cable structure	3x0,25
Nominal conductor cross-section	0.25 mm2
Wire ends	Wire end ferrule
Protection class	IP65 IP67
Note on degree of protection	in assembled condition
Ambient temperature	-25 ... 70 °C
Ambient temperature with flexible cable installation	-5 ... 70 °C
Storage temperature	-25 ... 70 °C
CE symbol (see declaration of conformity)	according to EU low voltage guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment To UK RoHS instructions

Feature	Value
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS
	Halogen-free
Degree of contamination	3
Corrosion resistance classification CRC	4 - Very high corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath color	Grey
Material housing	TPE-U(PUR)
Housing color	Black
Material seals	NBR
Material electrical contact	Brass, gold-plated
Material insulation	PP