

Plug socket with cable

SIM-M12-8GD-20-PU

Part number: 5105632

FESTO



Data sheet

Feature	Value
Conforms to standard	DIN 47100 EN 61076-2-101
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	Straight
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	8
Electrical connection 1, occupied pins/wires	8
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	8
Electrical connection 2, occupied pins/wires	8
Operating voltage range DC	0 ... 30 V
Operating voltage range AC	0 ... 30 V
Acceptable current load at 40°C	2 A
Surge strength	0.8 kV
Cable length	20 m
Cable attribute	Standard
Bending radius, fixed cable installation	≥ 32 mm
Bending radius, flexible cable installation	≥ 66 mm
Cable diameter	6.3 mm
Cable diameter tolerance	± 0,2 mm
Cable structure	8x0,25 Shielded
Nominal conductor cross-section	0.25 mm ²
Wire ends	Galvanized
Protection class	IP67
Note on degree of protection	in assembled condition
Ambient temperature	-25 ... 80 °C
Ambient temperature with flexible cable installation	-5 ... 80 °C
CE symbol (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS
Degree of contamination	3
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath color	Grey
Material housing	TPE-U(PUR)
Material screw-type lock	Nickel-plated brass
Material seals	FPM
Material electrical contact	Gold-plated bronze
Material insulation	PP