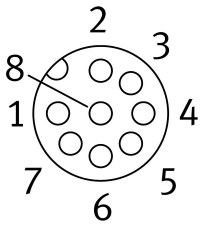
Plug socket with cable
SIM-M12-8GD-2-PU

Part number: 525616





Data sheet

Feature	Value
Conforms to standard	EN 61076-2-101
Cable designation	Without label holder
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M12x1 A-coded as per 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-type lock Rotatable Compatible with rotatable/non-rotatable screw-type lock
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	8
Electrical connection 2, occupied pins/wires	8
DC operating voltage range	0 V...30 V
Operating voltage range AC	0 V...30 V
Current rating at 40° C	2 A
Surge resistance	0.8 kV
Shield	Yes
Cable length	2 m
Cable characteristic	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 design	8 x 0.25 mm²
Nominal conductor cross section	0.25 mm²

Feature	Value
Wire ends	Tin-plated
Degree of protection	IP67
Note on degree of protection	In mounted state
Ambient temperature	-25 °C...80 °C
Ambient temperature with flexible cable installation	-5 °C...80 °C
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
Contamination level	3
Note on the contamination level	In mounted state
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Gray
Housing material	TPE-U(PUR)
Material of screw-type lock	Brass, chrome-plated
Seals material	NBR
Material of pin contacts	Gold-plated copper alloy
Insulating sheath material	PP