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Plug socket with cable SIM-M12-8GD-5-PU

Part number: 525618



Data sheet

Feature	Value
Conforms to standard	DIN 47100 EN 61076-2-101
Cable designation	Without inscription label holder
Product weight	343 g
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, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	8
Electrical connection 1, used connections/cores	8
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, connection pattern	00992265
Electrical connection 2, function	Controller side
Electrical connection 2, connection type	Cable
Electrical connection 2, connector system	Open end
Electrical connection 2, number of connections/cores	8
Electrical connection 2, used connections/cores	8
Operational voltage range DC	0 V ... 30 V
Operational voltage range AC	0 V ... 30 V
Current rating at 40° C	2 A
Immunity to surge	0.8 kV
Cable length	5 m
Cable characteristic	Standard
Bending radius, fixed cable	≥32 mm
Bending radius, moving cable	≥66 mm
Cable diameter	6.3 mm
Cable diameter tolerance	± 0.2 mm
Cable structure	8 x 0.25 mm² Shielded
Nominal cross section conductor	0.25 mm²
Wire ends	Tin-plated
Degree of protection	IP67
Note on degree of protection	In assembled state
Ambient temperature	-25 °C ... 80 °C
Ambient temperature with moving cable	-5 °C ... 80 °C

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Feature	Value
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Pollution degree	3
Corrosion resistance class CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	grey
Material housing	TPE-U(PUR)
Material screw-type lock	Nickel-plated brass
Material seals	FPM
Material electrical contact	Gold-plated bronze
Material insulating sheath	PP