

# Plug socket with cable NEBU-M12W8-K-5-N-LE8

Part number: 542257

FESTO



## Data sheet

Feature	Value
Conforms to standard	EN 61076-2-101
Cable designation	Without inscription label holder
Product weight	292 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Angled
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 Rotatable
Electrical connection 1, compatible type of mounting	Compatible with rotatable/non-rotatable screw-type lock
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
Shielding	yes
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 mm <sup>2</sup>

Feature	Value
Nominal cross section conductor	0.25 mm <sup>2</sup>
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
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Pollution degree	3
Note on the contamination level	In mounted state
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	Brass, chrome-plated
Material seals	NBR
Material electrical contact	Gold-plated copper alloy
Material insulating sheath	PP