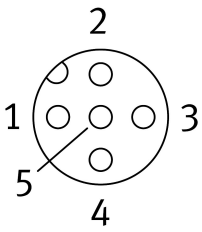
Socket
NECB-M12G5-C2

Part number: 8162291





Data sheet

Feature	Value
Conforms to standard	EN 61076-2-101
Approval	c UL us - Listed (Oil)
Certificate issuing authority	UL E474609
Frequency of connection	100
Cable outlet	Straight
Product weight	26 g
Instructions on use	Only energy-limited circuits with a maximum current of 4 A at a max. open circuit voltage of 30 V DC are permissible for supplying electrically actuated valves from Festo.
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	5
Electrical connection 1, used connections/cores	5
Electrical connection 1, type of mounting	Screw-type lock with 18 mm hexagon and longitudinal knurl Rotatable
Electrical connection 1, compatible type of mounting	Compatible with rotatable/non-rotatable screw-type lock
Electrical connection 2, function	Control side
Electrical connection 2, connection type	Cable
Electrical connection 2, connector system	Screw terminal
Electrical connection 2, number of connections/cores	5
Electrical connection 2, used connections/cores	5
Operational voltage range DC	0 V...60 V
Operational voltage range AC	0 V...48 V
Current rating at 40° C	4 A
Immunity to surge	1.5 kV
Protective conductor connection	Not provided
Cable fitting	Pg9
Cable diameter	3.8 mm...9 mm

Feature	Value
Connection cross section	0.14 mm²...0.75 mm²
Note on connection cross-section	0.1 mm² with wire ferrule
Degree of protection	IP65 IP67
Note on degree of protection	In mounted state
Ambient temperature	-25 °C...90 °C
Note on ambient temperature	Observe derating
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS compliant
Pollution degree	3
Corrosion resistance class CRC	1 - Low corrosion stress
Material housing	PA66-GF30
Housing colour	Black
Material screw-type lock	Nickel-plated die-cast zinc
Material screws	Nickel-plated steel
Material seals	Fluoro rubber
Material electrical contact	Brass, nickel-plated and gold-plated