

# Plug NECB-S-M12G5-C2-D

Part number: 8162297

**FESTO**



 [General operating condition](#)

## Data sheet

Feature	Value
Conforms to standard	EN 61076-2-101
Approval	c UL us listed (OL)
Certificate issuing authority	UL E474609
Frequency of connection	100
Cable outlet	Straight
Product weight	25 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	Controller side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plugs
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 1, connection pattern	00995383
Electrical connection 2, function	Field device side
Electrical connection 2, connection type	2x 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 available
Cable fitting	Pg11
Cable diameter	2.1 mm ... 5.6 mm
Note on the cable diameter	2 cable through-feeds available
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 assembled state

Feature	Value
Ambient temperature	-25 °C ... 90 °C
Note on ambient temperature	Note 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	Die-cast zinc, nickel-plated
Material screws	Nickel-plated steel
Material seals	FPM
Material electrical contact	Brass, nickel-plated and gold-plated