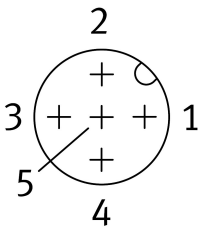
# Plug
# NECB-S-M12G5-C2-D

Part number: 8162297






## 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 | 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 | Control side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Plug |
| 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<br>Rotatable |
| Electrical connection 1, compatible type of mounting | Compatible with rotatable/non-rotatable screw-type lock |
| 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 provided |
| Cable fitting | Pg11 |
| Cable diameter | 2.1 mm...5.6 mm |

| Feature | Value |
|---|---|
| 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<br>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 |