

# Socket NECB-M12G5-C2

Part number: 8162291

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                                       | 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<br>Rotatable                                                                                                      |
| Electrical connection 1, compatible type of mounting | Compatible with rotatable/non-rotatable screw-type lock                                                                                                                     |
| Electrical connection 1, connection pattern          | 00995384                                                                                                                                                                    |
| Electrical connection 2, function                    | Controller 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 available                                                                                                                                                               |
| Cable fitting                                        | Pg 9                                                                                                                                                                        |
| Cable diameter                                       | 3.8 mm ... 9 mm                                                                                                                                                             |
| Connection cross section                             | 0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>                                                                                                                               |
| Note on connection cross-section                     | 0.1 mm <sup>2</sup> with wire ferrule                                                                                                                                       |
| Degree of protection                                 | IP65<br>IP67                                                                                                                                                                |
| Note on degree of protection                         | In assembled state                                                                                                                                                          |
| Ambient temperature                                  | -25 °C ... 90 °C                                                                                                                                                            |

| Feature                        | Value                                |
|--------------------------------|--------------------------------------|
| 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 |