

# Connecting cable

## NEBV-A1W3-K-0.3-N-M12W3

Part number: 3579461

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Certification   | c CSA us (OL)                                    |
| Cable designation                                     | Without label holder                             |
| Product weight  | 60 g   |
| Electrical connection 1, function                     | Field device side                                |
| Electrical connection 1, design                       | Square   |
| Electrical connection 1, connection type              | Socket   |
| Electrical connection 1, cable outlet                 | Angled   |
| Electrical connection 1, connection technology        | Connection diagram form A based on EN 175301-803 |
| Electrical connection 1, number of pins/wires         | 4  |
| Electrical connection 1, occupied pins/wires          | 4  |
| Electrical connection 1, type of mounting             | On air solenoid valve with M3 central screw      |
| Electrical connection for input 1, connection pattern | 00995710   |
| Electrical connection 2, function                     | Control side                                     |
| Electrical connection 2, design                       | Round  |
| Electrical connection 2, connection type              | Plug   |
| Electrical connection 2, cable outlet                 | Angled   |
| Electrical connection 2, connection technology        | M12x1 A-coded as per EN 61076-2-101              |
| Electrical connection 2, number of pins/wires         | 5  |
| Electrical connection 2, occupied pins/wires          | 3  |
| Electrical connection 2, type of mounting             | Screw-type lock with hexagon, AF 13              |
| Electrical connection 2, connection pattern           | 00995711   |
| DC operating voltage range                            | 0 V ... 110 V                                    |
| Nominal operating voltage DC                          | 110 V  |
| Operating voltage range AC                            | 0 V ... 110 V                                    |
| Nominal operating voltage AC                          | 110 V  |
| Current rating at 40° C                               | 1 A  |
| Surge resistance                                      | 1.5 kV   |
| Protective earth connection                           | Available  |
| Cable length  | 0.3 m  |
| Cable characteristic                                  | Standard   |
| Connector cable test conditions                       | Test conditions on request                       |
| Cable diameter  | 5.9 mm   |
| Cable diameter tolerance                              | ± 0.3 mm   |
| Cable design  | 3 x 0.75 mm <sup>2</sup>                         |
| Degree of protection                                  | IP67   |
| Note on degree of protection                          | In mounted state                                 |

| <b>Feature</b>                                       | <b>Value</b>   |
|--|--|
| Ambient temperature                                  | -25 °C ... 80 °C   |
| Ambient temperature with flexible cable installation | -25 °C ... 80 °C   |
| CE marking (see declaration of conformity)           | As per EU low voltage directive<br>As per EU RoHS directive            |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions<br>To UK instructions for electrical equipment |
| LABS (PWIS) conformity                               | VDMA24364 Zone III   |
| Note on materials                                    | RoHS compliant   |
| Contamination level                                  | 3  |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress  |
| Material of cable sheath                             | TPE-U(PUR)   |
| Color cable sheath                                   | Gray   |
| Housing material                                     | TPE-U(PUR)   |
| Housing colour                                       | Black  |
| Material of union nut                                | Die-cast zinc<br>Nickel-plated   |
| Insulating sheath material                           | PP   |