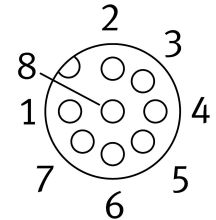


# Adapter

## NEFC-M12G8-0.3-M12G5-LK

Part number: 8080777

FESTO



## Data sheet

| Feature                                        | Value                               |
|------------------------------------------------|-------------------------------------|
| Based on norm                                  | EN 61076-2-101                      |
| Protocol                                       | IO-Link®                            |
| Certification                                  | c UL us - Listed (OL)               |
| Cable designation                              | Without label holder                |
| Product weight                                 | 30 g                                |
| Electrical connection 1, function              | Field device side                   |
| Electrical connection 1, design                | Round                               |
| Electrical connection 1, connection type       | Socket                              |
| Electrical connection 1, cable outlet          | Straight                            |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires  | 8                                   |
| Electrical connection 1, occupied pins/wires   | 3                                   |
| Electrical connection 1, type of mounting      | Screw-type lock                     |
| Electrical connection 2, function              | Control side                        |
| Electrical connection 2, design                | Round                               |
| Electrical connection 2, connection type       | Plug                                |
| Electrical connection 2, cable outlet          | Straight                            |
| 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                     |
| Electrical connection 3, occupied pins/wires   | 3                                   |
| DC operating voltage range                     | 0 V...60 V                          |
| Operating voltage range AC                     | 0 V...48 V                          |
| Current rating at 40° C                        | 2 A                                 |
| Surge resistance                               | 0.8 kV                              |
| Shield                                         | No                                  |
| Cable length                                   | 0.3 m                               |
| Cable characteristic                           | Suitable for energy chains          |
| Connector cable test conditions                | Test conditions on request          |

| Feature                                              | Value                         |
|------------------------------------------------------|-------------------------------|
| Bending radius, fixed cable installation             | 26 mm                         |
| Bending radius, flexible cable installation          | 26 mm                         |
| Cable diameter                                       | 5.1 mm                        |
| Cable diameter tolerance                             | ± 0.2 mm                      |
| Cable design                                         | 5 x 0.34 mm <sup>2</sup>      |
| Nominal conductor cross section                      | 0.34 mm <sup>2</sup>          |
| Degree of protection                                 | IP65<br>IP67                  |
| Note on degree of protection                         | In mounted state              |
| Ambient temperature                                  | -25 °C...90 °C                |
| Ambient temperature with flexible cable installation | -25 °C...90 °C                |
| CE marking (see declaration of conformity)           | As per EU RoHS directive      |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions       |
| Certificate issuing authority                        | UL E474609                    |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                |
| 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                                   | Silver-gray                   |
| Housing material                                     | TPE-U(PUR)                    |
| Housing colour                                       | Black                         |
| Material of screw-type lock                          | Die-cast zinc, nickel-plated  |
| Seals material                                       | NBR                           |
| Material of pin contacts                             | Brass                         |
| Insulating sheath material                           | PP                            |