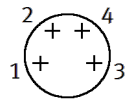
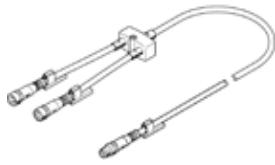


# distributor

## NEDY-L2R1-V1-M8G3-U-0.3L-M8G4-2.5R

Part number: 8035485

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Based on the standard                                | EN 61076-2-104  |
| Design structure                                     | Y-distributor with cables on both sides   |
| Distributor type                                     | 2 to 1  |
| Cable identification                                 | With inscription label holder   |
| Mounting type  | With through-hole for M2 screw with accessories   |
| Product weight                                       | 102 g   |
| Electrical connection 1, function                    | Controller side   |
| Electrical connection 1, design                      | Round   |
| Electrical connection 1, connection type             | Plug  |
| Electrical connection 1, cable outlet                | Straight  |
| Electrical connection 1, connection technology       | M8x1, A-coded to EN 61076-2-104   |
| Electrical connection 1, number of pins/wires        | 4   |
| Electrical connection 1, occupied pins/wires         | 4   |
| Electrical connection 2, function                    | Field device side   |
| Electrical connection 2, design                      | Round   |
| Electrical connection 2, connection type             | 2x socket   |
| Electrical connection 2, cable outlet                | Straight  |
| Electrical connection 2, connection technology       | M8x1, A-coded to EN 61076-2-104   |
| Electrical connection 2, number of pins/wires        | 3   |
| Electrical connection 2, occupied pins/wires         | 3   |
| Operating voltage range DC                           | 0 ... 30 V  |
| Operating voltage range AC                           | 0 ... 30 V  |
| Acceptable current load at 40°C                      | 3 A   |
| Surge strength                                       | 0.8 kV  |
| Cable length 1                                       | 2.5 m   |
| Cable length 2                                       | 0.3 m   |
| Cable attribute                                      | Suitable for energy chains/robot applications   |
| Test conditions of cable                             | Bending strength according to Festo standard<br>Test conditions on request<br>Torsion resistance: > 300,000 cycles, ±270°/0.1 m<br>Energy chain: > 5 million cycles, bending radius 28 mm |
| Minimum bending radius with freely moveable use 1    | 46 mm   |
| Minimum bending radius with freely moveable use 2    | 39 mm   |
| Cable diameter 1                                     | 4.5 mm  |
| Cable diameter 2                                     | 3.8 mm  |
| Nominal conductor cross-section                      | 0.25 mm <sup>2</sup>  |
| Protection class                                     | IP65<br>IP68<br>IP69K   |
| Ambient temperature                                  | -25 ... 80 °C   |
| Note on ambient temperature                          | -10 ... 40 °C when mounted via through-hole   |
| Ambient temperature with flexible cable installation | -20 ... 80 °C   |
| Storage temperature                                  | -25 ... 80 °C   |
| CE mark (see declaration of conformity)              | in accordance with EU RoHS directive  |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions   |

| <b>Feature</b>                          | <b>Value</b>  |
|---|---|
| PWIS conformity                         | VDMA24364-B2-L  |
| Materials note                          | Conforms to RoHS<br>Halogen-free<br>Free of phosphoric acid ester |
| Degree of contamination                 | 3   |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress                                     |
| Material cable sheath                   | TPE-U(PUR)  |
| Cable sheath colour                     | Grey  |
| Material housing                        | PA<br>PC<br>TPE-U(PUR)  |
| Housing colour                          | Black   |
| Material of union nut                   | Nickel-plated brass   |
| Material seals                          | NBR   |
| Material electrical contact             | Gold-plated copper alloy  |
| Material threaded sleeve                | Nickel-plated brass   |