

# Distributor NEDY-L2R1-V1-M12G5-U-0.3L-M12G4-5R

Part number: 8035776

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Based on norm   | EN 61076-2-101   |
| Structural design                                     | Y-distributor with cables at both ends                                 |
| Distributor type                                      | 2 to 1   |
| Cable designation                                     | With label holder  |
| Type of mounting                                      | With through-hole for M2 screw<br>With accessories                     |
| Product weight  | 187 g  |
| Electrical connection 1, function                     | Control side   |
| Electrical connection 1, design                       | Round  |
| Electrical connection 1, connection type              | Plug   |
| 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         | 4  |
| Electrical connection 1, occupied pins/wires          | 4  |
| Electrical connection 1, type of mounting             | Screw-type lock with hexagon AF13 and vertical knurling<br>Rotatable   |
| Electrical connection 1, type of mounting             | Compatible with rotatable/non-rotatable screw-type lock                |
| Electrical connection for input 1, connection pattern | 00995386   |
| Electrical connection 2, function                     | Field device side  |
| Electrical connection 2, design                       | Round  |
| Electrical connection 2, connection type              | 2x port  |
| 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          | 4  |
| Electrical connection 2, type of mounting             | Screw-type lock with hexagon AF 13 and longitudinal knurl<br>Rotatable |
| Electrical connection 2, type of mounting             | Compatible with rotatable/non-rotatable screw-type lock                |
| Electrical connection 2, connection pattern           | 00991861   |
| DC operating voltage range                            | 0 V ... 30 V   |
| Operating voltage range AC                            | 0 V ... 30 V   |
| Current rating at 40° C                               | 4 A  |
| Surge resistance                                      | 0.8 kV   |
| Cable length 1  | 5 m  |
| Cable length 2  | 0.3 m  |
| Cable characteristic                                  | suitable for energy chains/robot applications                          |

| Feature  | Value   |
|--|---|
| Connector cable test conditions                      | Flexural strength: as per 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 |
| Bending radius 1, flexible cable installation        | 46 mm   |
| Bending radius 2, flexible cable installation        | 46 mm   |
| Cable diameter 1                                     | 4.5 mm  |
| Cable diameter 2                                     | 4.5 mm  |
| Nominal conductor cross section                      | 0.25 mm <sup>2</sup>  |
| Degree of protection                                 | IP65<br>IP68<br>IP69K   |
| Ambient temperature                                  | -25 °C ... 80 °C  |
| Note on ambient temperature                          | -10 - 40 °C when mounted via through-hole   |
| Ambient temperature with flexible cable installation | -20 °C ... 80 °C  |
| Storage temperature                                  | -25 °C ... 80 °C  |
| CE marking (see declaration of conformity)           | As per EU RoHS directive  |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions   |
| LABS (PWIS) conformity                               | VDMA24364-B2-L  |
| Note on materials                                    | RoHS compliant<br>Halogen-free<br>Contains no phosphoric acid esters  |
| Contamination level                                  | 3   |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress   |
| Material of cable sheath                             | TPE-U(PUR)  |
| Color cable sheath                                   | Gray  |
| Housing material                                     | PA<br>TPE-U(PUR)  |
| Housing colour                                       | Black   |
| Material of union nut                                | Brass, nickel-plated  |
| Seals material                                       | NBR   |
| Material of pin contacts                             | Gold-plated copper alloy  |
| Threaded sleeve material                             | Brass, nickel-plated  |