

Distributor NEDY-L2R1-V1-M8G3-U-M12G4-2.5R

FESTO

Part number: 8005301



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|---|
| Based on norm | EN 61076-2-101 EN 61076-2-104 |
| Structural design | Y-distributor with cable on controller side |
| Distributor type | 2 to 1 |
| Cable designation | With label holder |
| Type of mounting | With through-hole for M2 screw With accessories |
| Product weight | 86 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 rotatable |
| Electrical connection 1, type of mounting | Compatible with rotatable/non-rotatable screw lock |
| Electrical connection for input 1, connection pattern | 00995386 |
| Electrical connection 2, function | Field device end |
| 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 as per EN 61076-2-104 |
| Electrical connection 2, number of pins/wires | 3 |
| Electrical connection 2, occupied pins/wires | 3 |
| Electrical connection 2, type of mounting | Screw-type lock with hexagon AF 9 and longitudinal knurl rotatable |
| Electrical connection 2, type of mounting | Compatible with rotatable/non-rotatable screw lock |
| Electrical connection 2, connection pattern | 00991871 |
| DC operating voltage range | 0 V ... 30 V |
| Operating voltage range AC | 0 V ... 30 V |
| Current rating at 40° C | 3 A |
| Surge resistance | 0.8 kV |
| Cable length 1 | 2.5 m |
| Cable characteristic | Suitable for energy chains/robot applications |

| Feature | Value |
|--|--|
| Connector cable test conditions | Flexural strength: as per Festo standard Test conditions on request Torsion resistance: > 300,000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm |
| Bending radius 1, flexible cable installation | 46 mm |
| Cable diameter 1 | 4.5 mm |
| Nominal conductor cross section | 0.25 mm ² |
| Degree of protection | IP65 IP68 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 Halogen-free Free of phosphoric acid ester |
| Contamination level | 3 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Material of cable sheath | TPE-U(PUR) |
| Color cable sheath | Gray |
| Housing material | PC TPE-U(PUR) |
| Housing colour | Black |
| Material of union nut | Brass, nickel-plated |
| Seals material | NBR |
| Material of pin contacts | Copper alloy, gold-plated |
| Threaded sleeve material | Brass, nickel-plated |