

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

Part number: 8005301

FESTO



 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-type 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-type 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 <sup>2</sup>
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