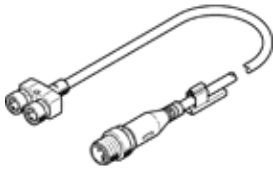
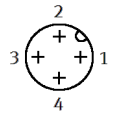


# Distributor

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

Part number: 8005301

FESTO



## Data sheet

Feature	Value
Based on the standard	EN 61076-2-101 EN 61076-2-104
Design structure	Y-distributor with cable on controller side
Distributor type	2 to 1
Cable identification	With inscription label holder
Mounting type	With through-hole for M2 screw with accessories
Product weight	86 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	M12x1, A-coded in accordance with EN 61076-2-101
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 attribute	Suitable for energy chains/robot applications
Test conditions of cable	Bending strength according to Festo standard Test conditions on request Torsion resistance: > 300,000 cycles, ±270°/0.1 m Energy chain: > 5 million cycles, bending radius 28 mm
Minimum bending radius with freely moveable use 1	46 mm
Cable diameter 1	4.5 mm
Nominal conductor cross-section	0.25 mm <sup>2</sup>
Protection class	IP65 IP68 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 symbol (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS

<b>Feature</b>	<b>Value</b>
	Halogen-free 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 color	Grey
Material housing	PC TPE-U(PUR)
Housing color	Black
Material of union nut	Nickel-plated brass
Material seals	NBR
Material electrical contact	Gold-plated copper alloy
Material threaded sleeve	Nickel-plated brass