

Distributor
NEDY-L2R1-V1-M8G3-U-M12G4-2.5R
Part number: 8005301

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Based on standard	EN 61076-2-101 EN 61076-2-104
Explosion protection	The information in the certificate must be observed! Zone 2 (ATEX) Zone 22 (ATEX)
Design	Y-distributor with cable on controller side
Distrubution	Y type
Cable designation	With label holder
Type of mounting	Via 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	Plugs
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	4
Electrical connection 1, used connections/cores	4
Electrical connection 1, connection pattern	00995386
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, connector system	M8x1, A-coded to EN 61076-2-104
Electrical connection 2, number of connections/cores	3
Electrical connection 2, used connections/cores	3
Electrical connection 2, connection pattern	00991871
Operational voltage range DC	0 V ... 30 V
Operational voltage range AC	0 V ... 30 V
Current rating at 40° C	3 A
Immunity to surge	0.8 kV
Cable length 1	2.5 m
Cable characteristic	Suitable for energy chains/robot applications
Test conditions cable	Bending strength: to Festo standard Test conditions on request Torsional resistance: > 300,000 cycles, ± 270°/0.1 m Energy chain: > 5 million cycles, bending radius 28 mm
Min. bending radius with free moving insert 1	46 mm

Feature	Value
Cable diameter 1	4.5 mm
Nominal cross section conductor	0.25 mm ²
Degree of protection	IP65 IP68 IP69K
Ambient temperature	-25 °C ... 80 °C
Note on ambient temperature	-10 - 40°C with mounting via through-hole
Ambient temperature with moving cable	-20 °C ... 80 °C
Storage temperature	-25 °C ... 80 °C
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant Free of halogen Free of phosphoric acid ester
Pollution degree	3
Corrosion resistance class CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	grey
Material housing	PC TPE-U(PUR)
Housing colour	Black
Material union nut	Nickel-plated brass
Material seals	NBR
Material electrical contact	Gold-plated copper alloy
Material threaded sleeve	Nickel-plated brass