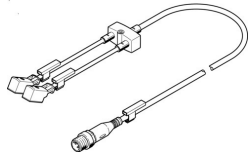


# Distributor NEDY-L2R1-V1-Z4W2Z-U-0.3L-M12G4-2.5R

Part number: 8035787

FESTO



 General operating condition

## Data sheet

Feature	Value
Based on standard	EN 61076-2-101
Approval	RCM trademark
Design	Y-distributor with cables on both sides
Distribution	Y type
Signal status display	Yellow LED
Additional functions	Holding current reduction
Cable designation	With label holder
Type of mounting	Via through-hole for M2 screw With accessories
Product weight	90 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	3
Electrical connection 1, type of mounting	Screw-type lock with 13 mm hexagon and longitudinal knurl Rotatable
Electrical connection 1, compatible type of mounting	Compatible with rotatable/non-rotatable screw-type lock
Electrical connection 1, connection pattern	00995635
Electrical connection 2, function	Field device side
Electrical connection 2, design	Angular
Electrical connection 2, connection type	2x socket
Electrical connection 2, cable outlet	Angled
Electrical connection 2, connector system	Plug pattern ZC, metric screw
Electrical connection 2, number of connections/cores	2
Electrical connection 2, used connections/cores	2
Electrical connection 2, type of mounting	On solenoid valve with M2 central screw
Electrical connection 2, connection pattern	00995625
Operational voltage range DC	20.4 V ... 27.6 V
Current rating at 40° C	1 A
Immunity to surge	0.8 kV
Cable length 1	2.5 m
Cable length 2	0.3 m
Cable characteristic	Suitable for energy chains/robot applications

Feature	Value
Notes on cable characteristic	Standard for field device side
Test conditions cable	Bending strength: to Festo standard Test conditions on request Torsional strength: > 300,000 cycles, $\pm 270^\circ/0.1$ m Energy chain: > 5 million cycles, bending radius 28 mm
Notes on test conditions cable	For standard cable characteristics: energy chain: 1.5 million cycles, bending radius 75 mm, flexural strength: as per Festo standard, test conditions on request
Min. bending radius with free moving insert 1	39 mm
Min. bending radius with free moving insert 2	30 mm
Cable diameter 1	3.8 mm
Cable diameter 2	2.9 mm
Nominal cross section conductor	0.25 mm <sup>2</sup>
Degree of protection	IP65
Ambient temperature	-10 °C ... 50 °C
Note on ambient temperature	-10 - 40°C with mounting via through-hole
Ambient temperature with moving cable	-5 °C ... 50 °C
Storage temperature	-10 °C ... 50 °C
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Pollution degree	3
Corrosion resistance class CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Grey
Material housing	TPE-U(PUR)
Housing colour	Black
Material seals	NBR TPE-O
Material electrical contact	Gold-plated copper alloy Copper alloy, tin-plated
Material threaded sleeve	Nickel-plated brass