

# Distributor

## NEDU-L1R2-M12G5-M12LE-1R

Part number: 8091516

FESTO



 General operating condition

## Data sheet

Feature	Value
Based on norm	EN 61076-2-101
Structural design	Y-distributor with cable on controller side
Distributor type	1 to 2
Additional functions	Additional supply for port B
Cable designation	Without label holder
Contact durability	100
Product weight	72.5 g
Electrical connection 1, function	Field device end
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
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	5
Electrical connection 1, occupied pins/wires	5
Electrical connection 1, type of mounting	Screw-type lock with hexagon AF 18 and longitudinal knurl
Electrical connection for input 1, connection pattern	00995384
Electrical connection 2, function	IO-Link® Communication
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M12x1 A-coded as per EN 61076-2-101
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 13 and longitudinal knurl
Electrical connection 2, connection pattern	00995573
Electrical connection 3, function	Additional supply
Electrical connection 3, connection type	2x single wires
Electrical connection 3, connection technology	Open end
Electrical connection 3, number of pins/wires	2
Electrical connection 3, occupied pins/wires	2
DC operating voltage range	0 V ... 30 V
Nominal operating voltage DC	24 V
Current rating at 40° C	4 A
Surge resistance	0.8 kV
Protective earth connection	Not available

Feature	Value
Shield	no
Cable length	1 m
Cable length 1	1 m
Cable length 2	1 m
Cable characteristic	for static applications
Bending radius 1, fixed cable installation	≥11.7 mm
Bending radius 2, fixed cable installation	≥6 mm
Cable diameter 1	3.8 mm
Cable diameter tolerance 1	± 0.1 mm
Cable diameter 2	1.75 mm
Cable diameter 2 tolerance	± 0.05 mm
Cable design 1	3 x 0.25 mm <sup>2</sup>
Cable design 2	2 x 0.5 mm <sup>2</sup>
Nominal conductor cross section	0.5 mm <sup>2</sup>
Degree of protection	IP65 IP68 IP69K
Note on degree of protection	IP40 for socket M12 In mounted state
Ambient temperature	-30 °C ... 80 °C
Storage temperature	-30 °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
Contamination level	3
Corrosion resistance class (CRC)	1 - Low corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Gray
Housing material	PA TPE-U(PUR)
Housing colour	Black
Material of screw-type lock	Brass, nickel-plated Die-cast zinc, nickel-plated
Seals material	NBR
Material of pin contacts	Bronze, nickel-plated and gold-plated Brass, gold-plated
Insulating sheath material	PVC