

Cable plug connectors NECL

FESTO



Type code

001	Series	
NECL	Power plug connector	
002	Type of connector	
	Socket	
S	Plug	
003	Connection technology 1	
L12	Socket M12x1 L-coded, EN 61076-2-111	

004	Cable outlet right	
G	Straight	
W	Angled	
005	Socket/plug connection pattern	
5	5-pin	
006	Connection technology 2	
C2	Screw terminal	
007	Wire cross section [mm ²]	
Q10	2.5	

Datasheet

General technical data

Based on standard	EN 61076-2-111
Type of mounting	Threaded

Technical data – Electrical connection 1

Electrical connection 1, connector system	M12x1, L-coded to EN 61076-2-111
Electrical connection 1, function	Power supply
Electrical connection 1, connection type	Socket, Plugs
Electrical connection 1, design	Round
Electrical connection 1, number of connections/cores	5
Electrical connection 1, tightening torque	0.6

Technical data – Electrical connection 2

Cable outlet	Straight	Angled
Electrical connection 2, connector system	Screw terminal	
Electrical connection 2, tightening torque	0.4	
Permissible cable diameter	8 - 13 mm for electrical connection 1	
Nominal cross section conductor	≤2.5 mm ²	
Conductor nominal cross section	AWG14	
Note on connection cross-section	Max. 1.5 mm ² /AWG16 when using wire end sleeves	
Note on cable outlet	–	Can be rotated 72°

Technical data – Electrical

Nominal operating voltage DC	63
Operational voltage range DC	0 ... 63 V
Immunity to surge	1.5 kV
Current rating at 40° C	16 A
Pollution degree	3

Materials

Material housing	PA
Material screw-type lock	Die-cast zinc, nickel-plated
Material electrical contact	Gold-plated copper alloy
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

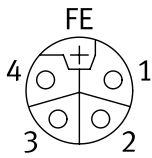
Operating and environmental conditions

Ambient temperature	-40 ... 105°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress
Degree of protection	IP65, IP67
Approval	c UL us - Recognized (OL)
Certificate issuing authority	UL E474609

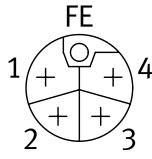
1) More information www.festo.com/x/topic/crc

Ordering data

Ordering data – Electrical connection 1, socket M12x1, L-coded according to EN 61076-2-111

	Electrical connection 1, connection type	Cable outlet	Product weight	Part no.	Type
	Socket	Straight	50.37 g	8166793	NECL-L12G5-C2-Q10
		Angled	53.58 g	8166794	NECL-L12W5-C2-Q10

Ordering data – Electrical connection 1 plug M12x1, L-coded according to EN 61076-2-111

	Electrical connection 1, connection type	Cable outlet	Product weight	Part no.	Type
	Plugs	Straight	42.89 g	8166791	NECL-S-L12G5-C2-Q10
		Angled	45.69 g	8166792	NECL-S-L12W5-C2-Q10