


44424060	DATA SHEET	
Valid from: 30.11.2023	EPIC® POWER M12LM4S-M12LF4S-PVC2.5-0.3	

Description of the

- Pre-assembled sensor/actuator cable, 4-pin, black PVC
- Drag chain (flexible)
- Straight M12 plug to straight M12 socket



General characteristic values

Number of poles	4
Ambient temperature (plug connector)	-25 °C to +85 °C (plug / socket)
Protection class	IP67
Coding	L-Standard
Tightening torque	0.4 - 1.6 Nm (M12 plug connector)
Mating cycles	≥ 100

Variant

Item number	Article description	Length [m]	Design
44424060	EPIC® POWER M12LM4S-M12LF4S-PVC2.5-0.3	0,3	straight - straight
44424061	EPIC® POWER M12LM4S-M12LF4S-PVC2.5-1	1,0	straight - straight
44424062	EPIC® POWER M12LM4S-M12LF4S-PVC2.5-1.5	1,5	straight - straight
44424063	EPIC® POWER M12LM4S-M12LF4S-PVC2.5-2	2	straight - straight
44424064	EPIC® POWER M12LM4S-M12LF4S-PVC2.5-3	3	straight - straight
44424065	EPIC® POWER M12LM4S-M12LF4S-PVC2.5-3.5	3,5	straight - straight
44424066	EPIC® POWER M12LM4S-M12LF4S-PVC2.5-5	5	straight - straight
44424067	EPIC-M12LMA4P-M12LFE4P-7,5-4X2,5	7,5	straight - straight
44424068	EPIC-M12LMA4P-M12LFE4P-10-4X2,5	10	straight - straight
44424069	EPIC-M12LMA4P-M12LFE4P-15-4X2,5	15	straight - straight
44424070	EPIC-M12LMA4P-M12LFE4P-20-4X2,5	20	straight - straight


Supplementary note

Data sheet also valid for other lengths. Alternative lengths available on request.

Electrical properties

Rated voltage	63 V
Rated current at 40 °C	16 A
Degree of soiling	3

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Management

Cable structure	4 x 2.5 mm ²
Conductor cross-section	2.5 mm ²
Core insulation, outer diameter	3.0 mm
Outer cable diameter	9.3 mm
Core colour	brown, blue, black, white
Outer sheath, colour	black, similar to RAL 9005
Number of bending cycles	2.000.000
Travelling distance	10 m
Cable weight	179 kg / km
Outer sheath, material	PVC
Core insulation, material	PVC
Flame retardancy according to	IEC 60332-1-2 CSA FT1 UL Cable Flame Test UL VW-1
Halogen-free	no
Oil resistance	Oil-resistant in accordance with EN 50290-2-22: TM 54

Standard

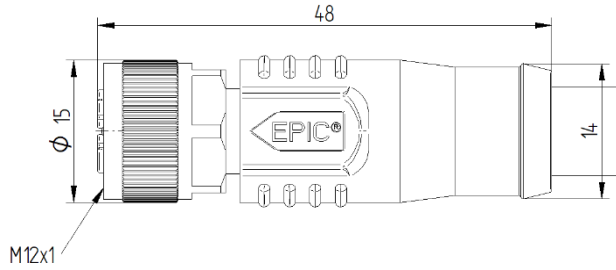
Product standard, M12 plug connector	IEC 61076-2-111
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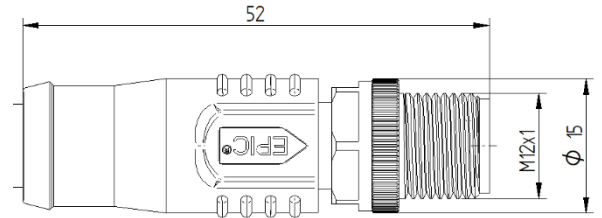
Technical drawings

Dimensioned drawing



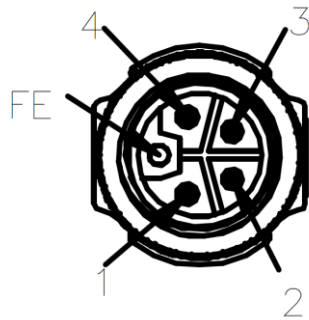
Plug M12 x 1, straight

Dimensioned drawing



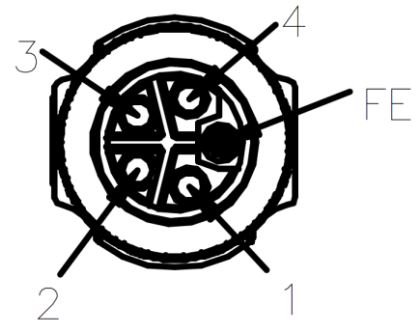
Socket M12 x 1, straight

Schematic drawing



Pin diagram M12 plug, 4-pin, L-coded, pin side view

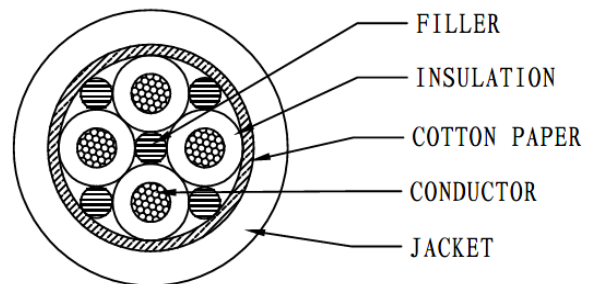
Schematic drawing



Pin diagram M12 socket, 4-pin, L-coded, view of socket side

Circuit diagram

P1	COLOR	P2
1	BROWN	1
2	WHITE	2
3	BLUE	3
4	BLACK	4



Areas of application

For increased mechanical stress and harsh operating conditions

Hint

The photographs are not to scale and are not detailed images of the respective products.

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