

EPIC® POWER M12L Screw termination

Circular connectors for servomotors and power supply

This compact M12 connector with FE contact comes into play if you want more power. It is used to supply power to small devices and motors in direct current applications (63 V, 16 A per contact) – also in PROFINET networks. The L-coding prevents incorrect plugging with other connectors.



Low weight



Space requirement



Waterproof

Benefits

High stability thanks to impact-resistant polyamide.

Powerful up to 16 A despite extremely space-saving size for very small devices.

Mechanical L-coding of the mating face prevents mismatching with mating connector.

The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.

Connectors with metal housings have an electrically conductive coating. They offer optimum protection against electromagnetic interference (EMC) and dissipate interference signals with low impedance (depending on the article).

Application range

Also suitable for power supply in the PROFINET network (M12L is considered the standardised power interface there).

Good oil and chemical resistance.

Shielded connectors with metal housings are particularly suitable for environments where electromagnetic compatibility (EMC) is required.

For DC applications in the low-voltage range.

For power supply of smaller devices (e.g. decentralised I/O modules, smaller motors).

Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC002635

ETIM 5.0 Class-Description: Circular connector (industrial connector)

Classification ETIM 6:

ETIM 6.0 Class-ID: EC002635

ETIM 6.0 Class-Description: Circular connector (industrial connector)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Rated voltage (V):	63 V
Rated impulse voltage:	1.5 kV
Rated current (A):	16 A
Pollution degree:	3
Number of contacts:	4+FE
Termination methods:	Screw termination: 0.5 - 2.5 mm ²
Protection rating:	IP 67
Cycle of mechanical operation:	100
Temperature range:	-25°C ... +85°C

Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products. Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Article description	Version	Version	Contacts included	Fastening type	Pin configuration	Packaging unit
381167613	Straight female	Socket	-	5	M12	4+PE	1
381167612	Straight male	plug	-	5	-	4+PE	1
381166313	Straight female	Socket	female	5	M12	4+PE	1
381166308	Straight male	plug	male	5	M12	4+PE	1
381166317	Angled socket	Socket	female	5	M12	4+PE	-
381166316	Angled male	plug	male	5	M12	4+PE	-

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