

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.

Available in different designs.

Application range

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

Good oil and chemical resistance.

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)

Rated voltage (V):

63 V

Rated impulse voltage:

1.5 kV

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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 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 | Clamping range min | Clamping range max | Fastening type | Pin configuration |
|----------------|---------------------|---------|---------|-------------------|--------------------|--------------------|----------------|-------------------|
| 381166313 | Straight female | Socket | female | 5 | 8 | 12 | M12 | 4+PE |
| 381166317 | Angled socket | Socket | female | 5 | 8 | 12 | M12 | 4+PE |
| 381166316 | Angled male | plug | male | 5 | 8 | 12 | M12 | 4+PE |
| 381166308 | Straight male | plug | male | 5 | 8 | 12 | M12 | 4+PE |

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