

EPIC® POWER M12L F6

Circular connectors for servomotors and power supply

Virtually conceived and now in real life: The M12 power connector with L-coding meets all market requirements. It is very small yet powerful, prevents mismating, is PROFINET-compliant. With M12L, sensor/actuator cabling as well as the power supply of smaller DC motors, e.g. in driverless transport systems, is successful.



Supplementary automation components from Lapp



Mechanical and plant engineering



Maximum vibration protection



Space requirement



Interference signals

Benefits

Cable connector F6 can be used with attachment housing A4 or coupling connector D6.

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

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

Suitable for conductor cross-sections from 0.75 - 2.50 mm².

Available as 4-pole variant with black insulating body and as 4+FE variant with grey insulating body and functional earth contact (FE).

Application range

For DC applications in the low-voltage range.

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

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

Technical Data

Last Update (26.04.2024)

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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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Classification ETIM 5:	ETIM 5.0 Class-ID: EC002635
Classification ETIM 6:	ETIM 6.0 Class-ID: EC002635
Rated voltage (V):	63 V
Rated impulse voltage:	1.5 kV
Rated current (A):	16 A
Pollution degree:	3
Number of contacts:	4, 4+PE
Termination methods:	0.75mm ² - 2.5mm ²
Material:	Housing: nickel-plated zinc die-casting, nickel-plated brass Insert: PA, Seal: FPM
Protection rating:	IP65/IP67/IP69
Cycle of mechanical operation:	100
Temperature range:	-25 °C up to +125 °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	Contacts included	Clamping range min	Clamping range max	Fastening type	Pin configuration	Pieces / PU
44423175	-	10.5	11	M12	4+PE	20
44423159	5	6.5	10.5	M12	4+PE	1
44423173	-	6.5	10.5	M12	4+PE	20
44423171	-	10.5	11	M12	4	20
44423153	4	6.5	10.5	M12	4	1
44423169	-	6.5	10.5	M12	4	20

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