

## EPIC® POWER M12K F6

For power supply connection of devices and machines in various applications.

Your maintenance done in no time: Thanks to crimp or optionally solder connection, the replacement of the extremely small and powerful M12 power connector is done quickly. The connector with K-coding is especially suitable for connecting three-phase motors up to 7.5 kW as well as for general power supply.



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 12 A despite extremely space-saving size for the tightest of spaces.

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

Suitable for conductor cross-sections from 0.75 - 2.50 mm<sup>2</sup>.

When plugged in, protection class IP 65, IP 67 and IP 69 can be achieved.

### Application range

For connecting three-phase motors with up to 7.5 kW.

For power supply connection of devices and machines in various applications.

Especially for environments where electromagnetic compatibility (EMC) is required.

Withstands high environmental and mechanical stresses.

### Technical Data

Last Update (08.05.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

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## EPIC® POWER M12K F6

|                                |  |
|--------------------------------|--|
| Classification ETIM 5:         | ETIM 5.0 Class-ID: EC002635  |
| Classification ETIM 6:         | ETIM 6.0 Class-ID: EC002635  |
| Rated voltage (V):             | 630 V  |
| Rated impulse voltage:         | 1.5 kV   |
| Rated current (A):             | 12 A   |
| Pollution degree:              | 3  |
| Number of contacts:            | 4+PE   |
| Termination methods:           | 0.75mm <sup>2</sup> - 2.5mm <sup>2</sup>   |
| Material:                      | Housing: nickel-plated zinc die-casting, nickel-plated brass<br>Insert: PA,<br>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.

**EPIC® POWER M12K F6**

| Article number | Article description                     | Contacts included | Clamping range min | Clamping range max | Pin configuration | Pieces / PU |
|----------------|---|-------------------|--------------------|--------------------|-------------------|-------------|
| 44423179       | EPIC POWER M12K F6<br>4+PE 10,5-11      | -                 | 10.5               | 11                 | 4+PE              | 20          |
| 44423165       | EPIC POWER M12K F6<br>4+PE 1,5 6,5-10,5 | 5                 | 6.5                | 10.5               | 4+PE              | 1           |
| 44423177       | EPIC POWER M12K F6<br>4+PE 6,5-10,5     | -                 | 6.5                | 10.5               | 4+PE              | 20          |

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