

## EPIC® POWER M23 F6 TWIST

Circular connectors for servomotors and power supply

EPIC POWER M23 cable coupler TWIST



Food & Beverage



Mechanical and plant engineering



Wind Energy



Good chemical resistance



Corrosion-resistant



Maximum vibration protection



Mechanical resistance



Assembly time



Space requirement



Robust

Last Update (24.04.2024)

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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.

PN 0456 / 02\_03.16

## EPIC® POWER M23 F6 TWIST



Reliability


Integrated SKINTOP<sup>®</sup> cable gland


Interference signals



Waterproof

### Benefits

F6 coupling connector for use with D6 cable connector

Particularly high power despite extremely space-saving design for very small devices.

Reliable protection against electromagnetic interference thanks to integrated EMC cable gland.

TWIST quick-locking system enables easy connection to the counterpart (locking takes place after a quarter of rotation). TWIST can be connected to market-standard connectors.

The individual housing can be used with inserts for either sockets or male contacts (available separately).

### Application range

Typical areas of application are electric motors and servo drives.

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

For use with matching TWIST counterparts of the EPIC® POWER M23 series.

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

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC002635 ETIM 5.0 Class-Description: Circular connector (industrial connector)
Rated voltage (V):	630 V (2 mm contacts) 250 V (1 mm contacts)
Rated impulse voltage:	6 kV (2 mm contacts) 4 kV (1 mm contacts)
Rated current (A):	26A/3+PE+4, 25A/5+PE (2mm contacts) 7 A (1 mm contacts)
Pollution degree:	3
Contact resistance:	< 4 mOhm
Contacts:	Gold-plated brass
Number of contacts:	3+PE+4(2mm/1mm) 5+PE(2mm)
Termination methods:	Crimp termination: 0.5 - 2.5 mm <sup>2</sup> (2 mm contacts) Crimp termination: 0.14 - 1.0 mm <sup>2</sup> (1 mm contacts)
Material:	Housing: nickel-plated zinc die-casting, nickel-plated brass Insert: PA, Seal: FPM
Protection rating:	IP68 (10h/1m)
Cycle of mechanical operation:	500
Temperature range:	-25 °C up to +125 °C

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### 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	Clamping range in mm	Pin configuration	Pieces / PU
381166143	-	10.5	15.5	10.5 - 15.5	-	20
381166145	-	14	17	14 - 17	-	20
381166144	-	7.5	15.5	7.5 - 15.5	-	20
381166142	-	8.5	11	8.5 - 11	-	20
381166147	8	7.5	15.5	7.5 - 15.5	3+PE+4	1
381166146	6	7.5	15.5	7.5 - 15.5	5+PE	1