

44423165	DATA SHEET	
Valid from: 16.12.2022	EPIC® POWER M12K F6	

Description

- Circular connector for servomotors and power supply
- High power at smallest installation space
- Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class



General Characteristics

Series	POWER M12K
Version	Field assembled M12K-code male
Pin configuration	4+PE
Rated voltage (V)	630 V
Rated current (A)	12A/4+PE (2.5mm ²)
Termination method	Crimp termination: 0.75mm ² to 1.5mm ² / 2.5 mm ²
Wire insulation-Ø (max.)	Ø 3 mm
Protection degree (plugged and locked)	IP 65 / 67 / 69
Mating cycles	100
Ambient temperature	acc. standard: -25°C to +85°C (-13°F to 185°F) environment: -25°C to +125°C (-13°F to 257°F)
Degree of soiling	3

Product Variation

Article-number	Article description	Amount of contacts	Cable jacket-Ø (min. - max.) [mm]	PU
44423165	EPIC POWER M12K F6 4+PE 1,5 6,5-10,5 (1)	5 x 1.5 mm ²	Ø 6.5 - Ø < 10.5	1
44423177	EPIC POWER M12K F6 4+PE 6,5-10,5 (20)	none*	Ø 6.5 - Ø < 10.5	20
44423179	EPIC POWER M12K F6 4+PE 10,5-11 (20)	none*	Ø 10.5 - Ø 11	20

* contacts has to be ordered separately

Material/surfaces

Housing	Zinc die-cast, Ni-plated
Contacts	Brass, Ni-plated
Inserts	Brass, Au-plated
Seal	PA
	FKM

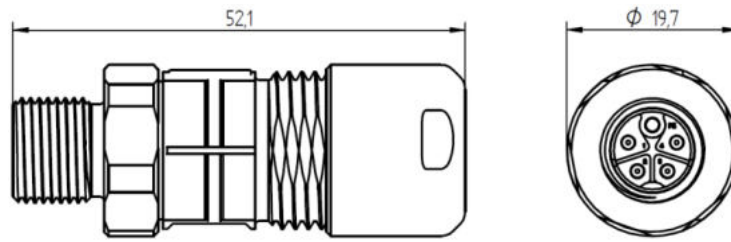
Standard

Product standard	DIN EN IEC 61076-2-111:2018-10
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Technical drawing

Creator: FELI1/PDP Released: IVSE1/PDP	Document: DB44423165EN Version: 00	Page 1 of 2
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Corrosion-resistant



Industrial machinery and plant engineering



Mechanical resistance



Assembly time



Space requirement



Robust



Waterproof

Application range

Plant engineering, servo drives and servo assemblies

Remark

Photographs are not to scale and do not represent detailed images of the respective products.

Creator: FELI1/PDP Released: IVSE1/PDP	Document: DB44423165EN Version: 00	Page 2 of 2
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