

381167775	DATA SHEET	
Valid from: 20.03.2025	EPIC® M23P D6 PLUG	

Description

- Circular connectors for servomotors and power supply
- High power at smallest installation space
- Optimal solution for electric motors
- EMC-shielding 360°
- Safety use in field environment by high protection class



General Characteristics

Series	M23P
Version	Cable connector, for female contacts
Pin configuration	3+PE+4
Rated voltage (V)	1000 V (2 mm contacts, Altitude 2000 m) optional 630 V (2 mm contacts, Altitude 5000 m) 250 V (1 mm contacts)
Rated impulse voltage	8 kV (2 mm contacts) 4 kV (1 mm contacts)
Rated current (A)	30 A (2 mm contacts, at terminal cross-section 4.0 mm²) 7 A (1 mm contacts)
Contact resistance	< 4 mOhm
Contacts included	please see table below
Number of contacts	8 (3+PE+4)
Termination methods	Crimp termination: 0.5 - 2.5 mm² (2 mm contacts) Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)
Cable clamping range	Ø 7,5 mm to Ø 17,0 mm
Protection rating	IP 68 (1 m, 10 h) optional IP 69 (for complete tested connection system)
Cycle of mechanical operation	500
Temperature range	-20°C to +130°C optional -50°C to +130°C (EPDM)
Pollution degree	3

Materials and Surfaces

Housing	Zinc diecast; nickel plated
Insert	PA
Contacts	Brass, gold plated
Seal	FKM

Approvals

UL-File-Number	In progress
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Standard

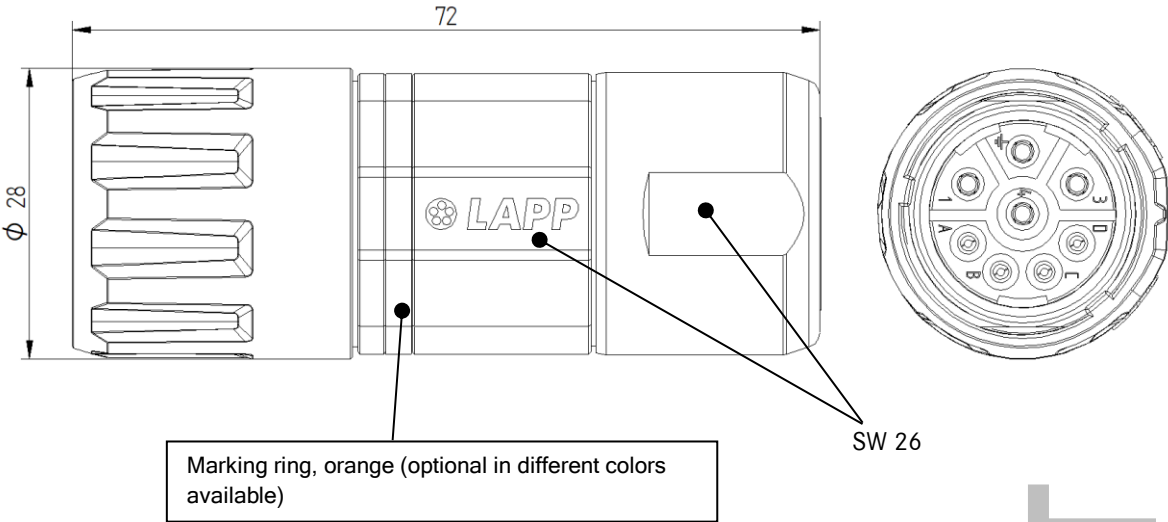
Safety Standard

IEC 61984; UL 1977; UL 2238

Product Variation

Article number	Article description	Contacts included	Pin configuration	Cable gland	Package unit [pc]
381167775	EPIC M23P D6 7.5-12 PLUG	no	3+PE+4	Ø 7,5 – 12 mm	20
381167776	EPIC M23P D6 10.5-15.5 PLUG	no	3+PE+4	Ø 10,5 – 15,5 mm	20
381167777	EPIC M23P D6 14-17 PLUG	no	3+PE+4	Ø 14 – 17 mm	20
381167779	EPIC M23P D6 8-PIN CF 7.5-15.5 PLUG	yes	3+PE+4	Ø 7,5 – 15,5 mm	1

Technical Drawings



Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof

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Good chemical resistance



Corrosion-resistant



Maximum vibration protection



Assembly time



Space requirement



Wind Energy

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Remark

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

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