

381167781	DATA SHEET	
Valid from: 20.03.2025	EPIC® M23P EXTENSION	

Description

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



General Characteristics

Series	M23P
Version	Cable coupler, for male contacts
Pin configuration	3+PE+4
Rated voltage	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	30 A (2 mm contacts, at terminal cross-section 4.0 mm ²)
	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 – 4.0 mm ² (2 mm contacts)
	Crimp termination: 0.14 – 1.0 mm ² (1 mm contacts)
Cable clamping range	Ø7,5 mm to Ø17,0 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
----------------	-------------

Standard

Safety Standard	IEC 61984; UL 1977; UL 2238
-----------------	-----------------------------

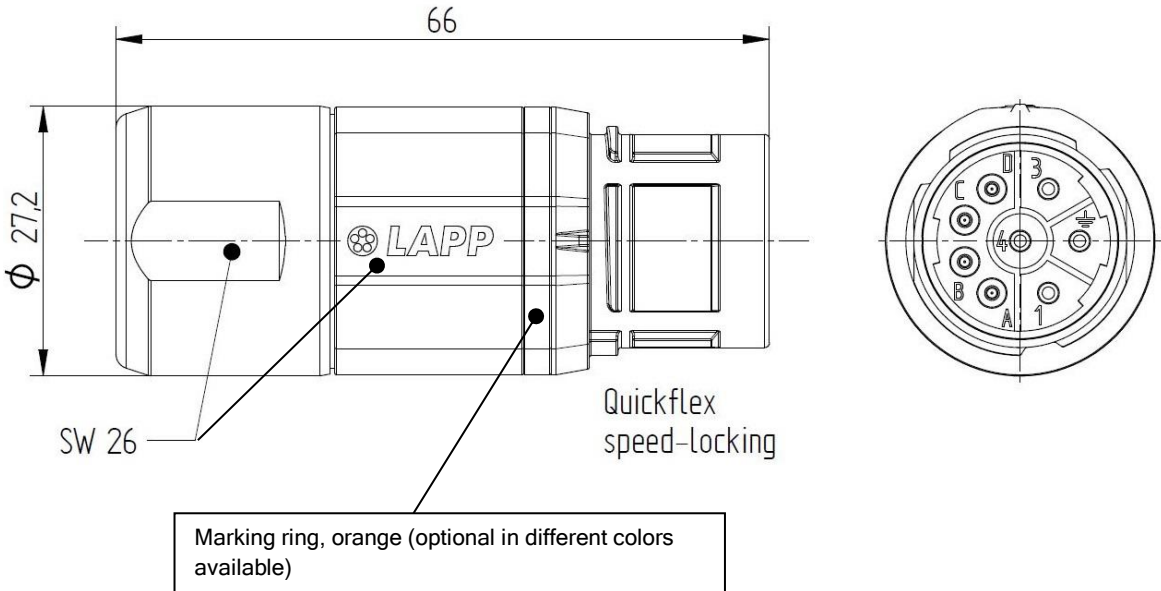
Creator: VACH1/BU EPIC Released: Segrt/EPIC BU	Document: DBXXXXXXXXXEN Version: 00	Page 1 of 3
---	--	-------------

381167781	DATA SHEET	
Valid from: 20.03.2025	EPIC® M23P EXTENSION	

Product Variation

Article number	Article description	Contacts included	Pin configuration	Cable gland	Package unit [pc]
381167781	EPIC M23P F6 QL 7.5-12 EXTENSION	no	3+PE+4	Ø 7,5 – 12 mm	20
381167782	EPIC M23P F6 QL 10.5-15.5 EXTENSION	no	3+PE+4	Ø 10,5 – 15,5 mm	20
381167783	EPIC M23P F6 QL 14-17 EXTENSION	no	3+PE+4	Ø 14 – 17 mm	20
381167785	EPIC M23P F6 8-PIN QL CM 7.5-15.5 EXTENSION	yes	3+PE+4	Ø 7,5 – 15,5 mm	1

Technical Drawings



Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Good chemical resistance



Corrosion-resistant

Creator: VACH1/BU EPIC Released: Segrt/EPIC BU	Document: DBXXXXXXXXXEN Version: 00	Page 2 of 3
---	--	-------------

381167781	DATA SHEET	
Valid from: 20.03.2025	EPIC® M23P EXTENSION	



Maximum vibration protection



Assembly time



Space requirement



Wind Energy

Remark

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

Creator: VACH1/BU EPIC Released: Segrt/EPIC BU	Document: DBXXXXXXXXXEN Version: 00	Page 3 of 3
---	--	-------------