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|---------------------------|---|---|
| 381166121 | DATA SHEET |  |
| Valid from: 10.11.2023 | EPIC® POWER M23 D6 5+PE CF SCREW | |

Description

- Circular connectors 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
- Cable clamp for EPIC® POWER M23
- With seal
- Cap Nut
- Contact carrier
- Insulating sleeve
- PE-spring



General characteristics

| | |
|--|---|
| Series | EPIC® POWER M23 D6 housingtype: screw, cable clamp, cap Nut |
| Version | Cable connector, package unit = 1 pcs |
| Number of poles | Female, 5+PE |
| Connection type | Crimp termination |
| Temperature range | -25 to +125 °C |
| Connection cross section for 2 mm contacts | 0,5 mm ² - 2,5 mm ² |

Mechanical characteristics

| | |
|--------------------------------|-----|
| Cycles of mechanical operation | 500 |
|--------------------------------|-----|

Electrical characteristics

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|--|------------|
| Rated voltage for 2 mm contacts | 630 V |
| Rated impulse voltage | 6 kV |
| Rated current | 25 A |
| Contact resistance working signal contacts | < 4 mOhm |
| Contact resistance PE- contact | < 100 mOhm |
| Degree of soiling | 3 |

Product Variations

| Article number | Article | Cable clamping range in [mm] |
|----------------|--|------------------------------|
| 381166121 | EPIC POWER M23 D6 5+PE CF 8,5-11 (1) | 8,5 - 11 |
| 381166122 | EPIC POWER M23 D6 5+PE CF10,5-15,5 (1) | 10,5 - 15,5 |
| 381166101 | EPIC POWER M23 D6 5+PE CF 7.5-15,5 (1) | 7,5- 15,5 |

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Materials and surfaces

| | |
|-------------------|--------------------------------|
| Housing | Nickel-plated zinc die-casting |
| Coupling sleeve | Nickel-plated Copper Alloy |
| Clamping ring | Spring steel, coated |
| Cable clamp | PA |
| Tube sealing ring | CRNBR |
| O-ring | FKM |
| Cap Nut | Nickel-plated Copper Alloy |
| Contact carrier | PA |
| Insulating sleeve | PA |
| PE spring | Copper Alloy |

Approvals

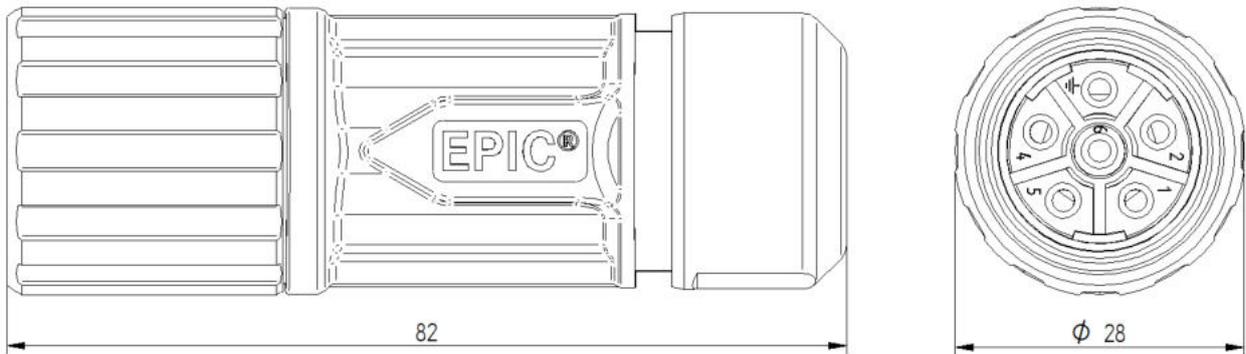
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|----------------|---------------------|
| UL-File-Number | Approval in pending |
|----------------|---------------------|

Standard

| | |
|-----------------|-----------|
| Safety Standard | IEC 61984 |
|-----------------|-----------|



Technical Drawing



| Item | Wrench size |
|---------|--------------------|
| housing | 24 |
| Cap nut | 26 / 27 (7,5-15,5) |

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Good chemical resistance



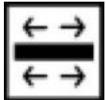
Corrosion-resistant



Industrial machinery and plant engineering



Mechanical resistance



Optimum strain relief



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.

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