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| 44423153 | DATA SHEET |  |
| Valid from: 10.01.2023 | EPIC® POWER M12L 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

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|--|---|
| Series | POWER M12L |
| Version | Field assembled M12L-code male |
| Pin configuration | 4+FE |
| Rated voltage (V) | 63 V |
| Rated current (A) | 16A/4+FE (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 |
|----------------|--|-------------------------|--------------------------------------|----|
| 44423153 | EPIC POWER M12L F6 4P 1,5 6,5-10,5 (1) | 4 x 1.5 mm ² | Ø 6.5 - Ø < 10.5 | 1 |
| 44423159 | EPIC POWER M12L F6 4+FE 1,5 6,5-10,5 (1) | 5 x 1.5 mm ² | Ø 6.5 - Ø < 10.5 | 1 |
| 44423169 | EPIC POWER M12L F6 4P 6,5-10,5 (20) | none* | Ø 6.5 - Ø < 10.5 | 20 |
| 44423171 | EPIC POWER M12L F6 4P 10,5-11 (20) | none* | Ø 10.5 - Ø11 | 20 |
| 44423173 | EPIC POWER M12L F6 4+FE 6,5-10,5 (20) | none* | Ø 6.5 - Ø < 10.5 | 20 |
| 44423175 | EPIC POWER M12L F6 4+FE 10,5-11 (20) | none* | Ø 10.5 - Ø11 | 20 |

* contacts has to be ordered separately

Material/surfaces

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

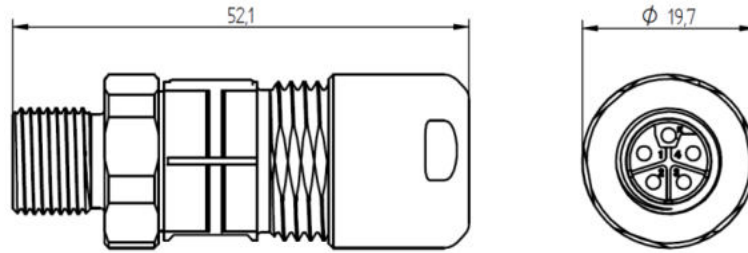
Standard

| | |
|------------------|--------------------------------|
| Product standard | DIN EN IEC 61076-2-111:2018-10 |
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| Creator: FELI1/PDP Released: IVSE1/PDP | Document: DB44423153EN Version: 01 | Page 1 of 2 |
|---|---------------------------------------|-------------|

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Technical drawing



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.

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| Creator: FELI1/PDP Released: IVSE1/PDP | Document: DB44423153EN Version: 01 | Page 2 of 2 |
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