

|                           |                                  |                                                                                     |
|---------------------------|----------------------------------|-------------------------------------------------------------------------------------|
| 73000016                  | <b>DATA SHEET</b>                |  |
| Valid from:<br>05.04.2019 | <b>EPIC® POWER LS1 F7 3+PE+4</b> |                                                                                     |

## 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



## General Characteristics

|                               |                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Series                        | POWER LS 1                                                                                                                    |
| Version                       | Cable coupler with mounting flange for male contacts                                                                          |
| Pin configuration             | 3+PE+4                                                                                                                        |
| Rated voltage (V)             | 630 V (2mm Contacts)<br>250 V (1mm Contacts)                                                                                  |
| Rated impulse voltage         | 6 kV (2mm Contacts)<br>4 kV (1mm Contacts)                                                                                    |
| Rated current (A)             | 26 A/3+PE+4 (2mm Contacts)<br>7 A (1mm Contacts)                                                                              |
| Contact resistance            | < 4 mOhm                                                                                                                      |
| Contacts                      | Gold plated brass                                                                                                             |
| Number of contacts            | 3+PE+4                                                                                                                        |
| Termination methods           | Crimp termination: 0.5 – 2.5 mm <sup>2</sup> (2 mm contacts)<br>Crimp termination: 0.14 – 1.0 mm <sup>2</sup> (1 mm contacts) |
| Protection                    | IP 68                                                                                                                         |
| Cycle of mechanical operation | 500                                                                                                                           |
| Temperature range             | -25°C to +125°C                                                                                                               |
| Degree of soiling             | 3                                                                                                                             |

## Product Variations

Package unit = 20 pcs: Contacts must be ordered separately

| Article- Number                       | Article | Contacts included | Cable clamping range<br>[mm] | Fastening type                     | Pin configuration |
|---------------------------------------|---------|-------------------|------------------------------|------------------------------------|-------------------|
| Type LS1 F7, 8-pin, for male contacts |         |                   |                              |                                    |                   |
| 73000016                              | LS1 F7  | 8                 | 8,5 - 11                     | Ø3,2mm (4x), M25x1,5<br>(with nut) | 3+PE+4            |
| 73000017                              | LS1 F7  | 8                 | 10,5 - 15,5                  | Ø3,2mm (4x), M25x1,5<br>(with nut) | 3+PE+4            |
| 76144000                              | LS1 F7  | 8                 | 7,5 - 15,5                   | Ø3,2mm (4x), M25x1,5<br>(with nut) | 3+PE+4            |
| 76144510                              | LS1 F7  |                   | 7,5 - 15,5                   | Ø3,2mm (4x), M25x1,5<br>(with nut) | 3+PE+4            |

|                                           |                                       |             |
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## Materials and Surfaces

|         |                                                     |
|---------|-----------------------------------------------------|
| Housing | Nickel-plated zinc die-casting, nickel-plated brass |
| Insert  | PA                                                  |
| Seal    | FPM                                                 |

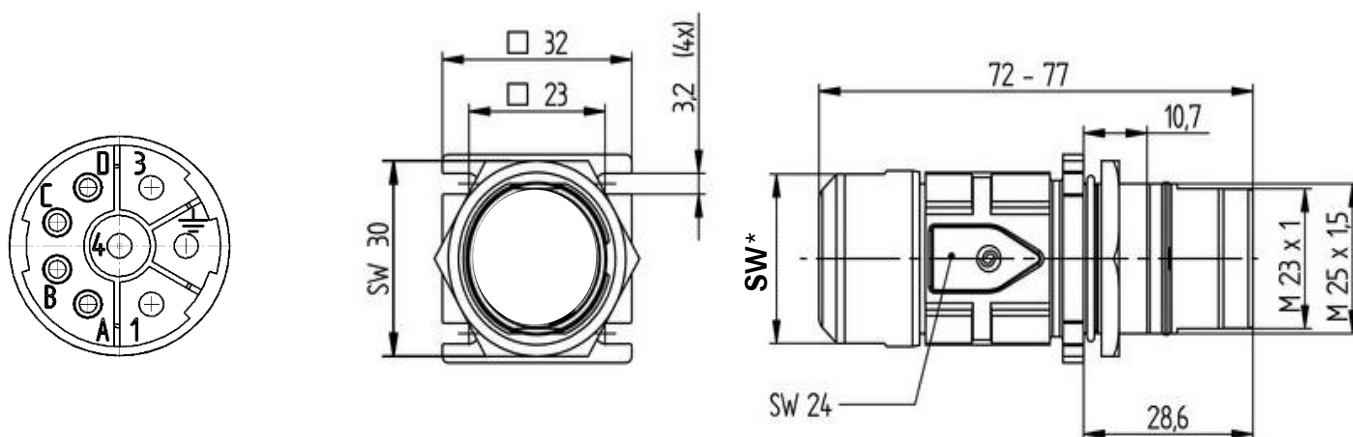
## Approvals

|                            |                 |
|----------------------------|-----------------|
| VDE-Approval, VDE-REG.-Nr. | B025            |
| UL-File-Number             | E249137, E75770 |

## Standard

|                 |                                             |
|-----------------|---------------------------------------------|
| Safety Standard | IEC 61984, UL 1977, UL 2238, CSA 22.2 182.3 |
|-----------------|---------------------------------------------|

## Technical Drawings



| Article Number | *Wrench size |
|----------------|--------------|
| 73000016       | 26           |
| 73000017       | 26           |
| 76144000       | 27           |
| 76144510       | 27           |



Good chemical resistance



Corrosion-resistant



Industrial machinery and plant engineering

|                                           |                                       |             |
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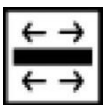
Maximum vibration protection



Mechanical resistance



Assembly time



Optimum strain relief



Space requirement



Robust



Integrated SKINTOP® cable gland



Waterproof



Wind Energy



Variety of approval certifications

#### Info

For fast and safe wall mounting of a cable extension

#### 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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