

|                           |                                  |                                                                                     |
|---------------------------|----------------------------------|-------------------------------------------------------------------------------------|
| 24420056                  | <b>DATA SHEET</b>                |  |
| Valid from:<br>28.03.2019 | <b>EPIC® POWER LS1 A3 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                       | Angled, rotatable for male contacts                                                                                           |
| Pin configuration             | 3+PE+4                                                                                                                        |
| Rated voltage (V)             | 630 V (2 mm Contacts)<br>250 V (1 mm Contacts)                                                                                |
| Rated impulse voltage         | 6 kV (2 mm Contacts)<br>4 kV (1 mm Contacts)                                                                                  |
| Rated current (A)             | 25 A (2 mm Contacts)<br>7 A (1 mm Contacts)                                                                                   |
| Contact resistance            | < 4 mOhm                                                                                                                      |
| Contacts included             | Yes                                                                                                                           |
| Contacts                      | Gold plated brass                                                                                                             |
| Number of contacts            | 3+PE+4 (8)                                                                                                                    |
| 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) |
| Cable clamping range          | Ø 2,7 mm (4x)                                                                                                                 |
| Protection                    | IP 65                                                                                                                         |
| Cycle of mechanical operation | 500                                                                                                                           |
| Temperature range             | -25°C to +125°C                                                                                                               |
| Degree of soiling             | 3                                                                                                                             |

## Product Variation

|          |                                                        |
|----------|--------------------------------------------------------|
| 24420057 | PU =20 pieces: the contacts must be ordered separately |
|----------|--------------------------------------------------------|

## Materials and Surfaces

|         |                                              |
|---------|----------------------------------------------|
| Housing | Blue chromated (CrVI free), zinc die-casting |
| Insert  | PA                                           |
| Seal    | FPM                                          |

## Approvals

|                |         |
|----------------|---------|
| UL-File-Number | E249137 |
|----------------|---------|



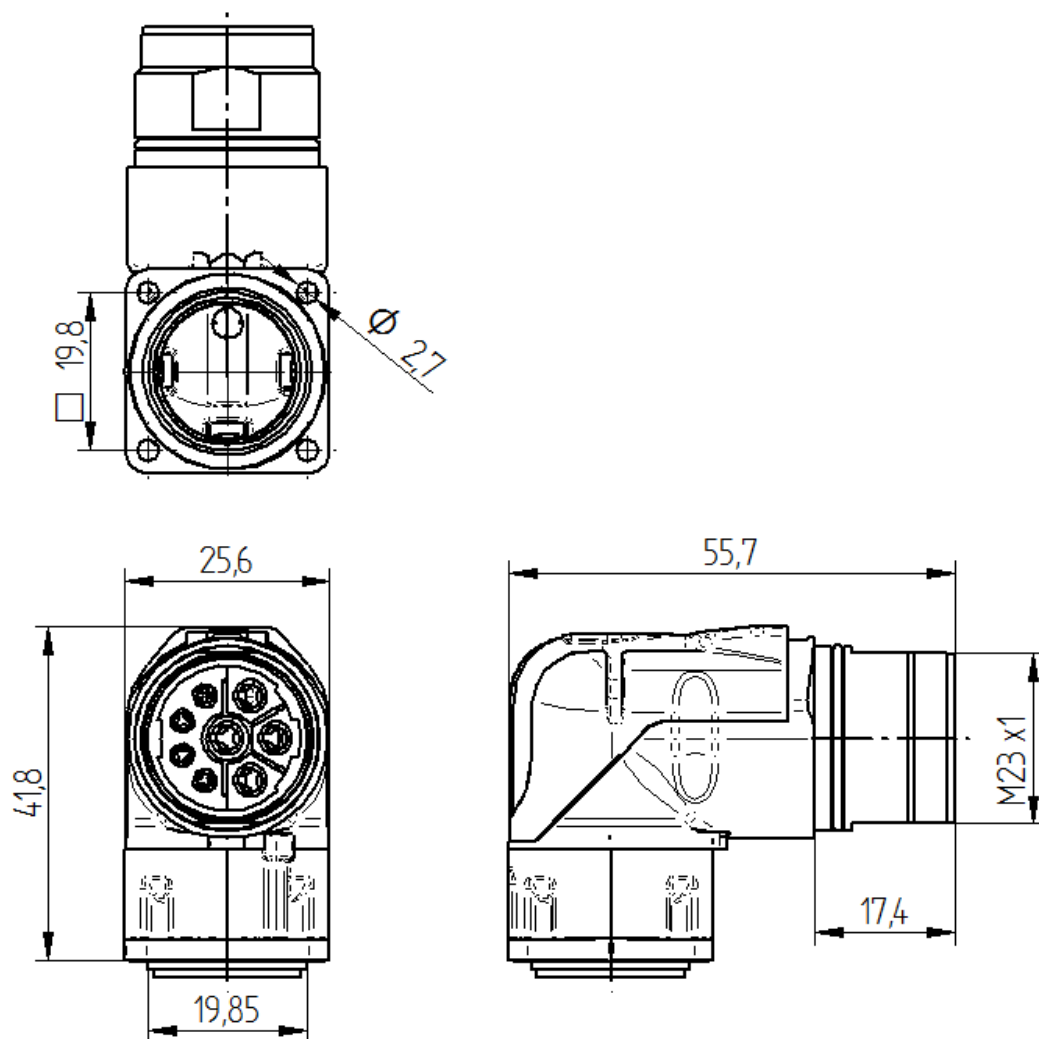
## Standard

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

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## Technical Drawings



Good chemical resistance



Corrosion-resistant



Industrial machinery and plant engineering



Maximum vibration protection



Mechanical resistance

|                                           |                                       |             |
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Assembly time



Space requirement



Robust



Waterproof



Wind Energy



Variety of approval certifications

#### Info

Rotateable with clearly defined adjustment positions

#### 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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