

|                           |                                                                           |                                                                                     |
|---------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 25009700                  | <b>DATA SHEET</b>                                                         |  |
| Valid from:<br>28.03.2019 | <b>EPIC<sup>®</sup> SIGNAL M23 KIT A3 8+1 PINS SOLDER<br/>TERMINATION</b> |                                                                                     |

## Description

- Circular connector for servo cables and encoders
- Low-resistance screen contact
- Optimum EMC protection
- Use of high quality materials for increased reliability
- Complete connector with housing and insulation body, equipped with suitable solder contacts



## Components of the combination

|                                   |                                                     |
|-----------------------------------|-----------------------------------------------------|
| Article number of the combination | 25009700                                            |
| Housing                           | SIGNAL M23 A3 (24420055)                            |
| Insert                            | 8+1 Pin (E-Part) with solder termination (73002744) |

## General characteristics

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Series                                | SIGNAL M23                              |
| Type                                  | A3, angled panel mounted                |
| Version                               | Male                                    |
| Connection type                       | Solder termination                      |
| Coding                                | Black (N)                               |
| Pin-arrangement                       | 8+1 (E-Part)                            |
| Contact diameter, 8 Contacts          | 1 mm                                    |
| Contact diameter, 1 Contact           | 2 mm                                    |
| Termination cross section, 8 Contacts | Up to 1 mm <sup>2</sup>                 |
| Termination cross section, 1 Contact  | Up to 2,5 mm <sup>2</sup>               |
| Mounting type                         | Panel mount; through hole for: 4x M 2,5 |
| Degree of protection                  | IP 65 (latched)                         |
| Cycles of mechanical operation        | 100                                     |
| Temperature range                     | -25 °C to +125 °C                       |

## Materials and surfaces

|                        |                            |
|------------------------|----------------------------|
| Housing, base material | Zinc die-cast              |
| Housing, surface       | Blue chromated (CrVI free) |
| Sealing                | FPM/FKM                    |
| Insert                 | PA                         |
| Contact, base material | Brass                      |
| Contact, surface       | Gold                       |

## Electrical characteristics

|                       |                                            |
|-----------------------|--------------------------------------------|
| Rated voltage         | IEC: 150 V                                 |
| Rated impulse voltage | 2,5 kV                                     |
| Rated current         | 20 A (2 mm Contact)<br>7 A (1 mm Contacts) |
| Contact resistance    | < 4 mOhm                                   |
| Verschmutzungsgrad    | 3                                          |

|                                           |                                       |             |
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## Approvals

UL File Number

E249137



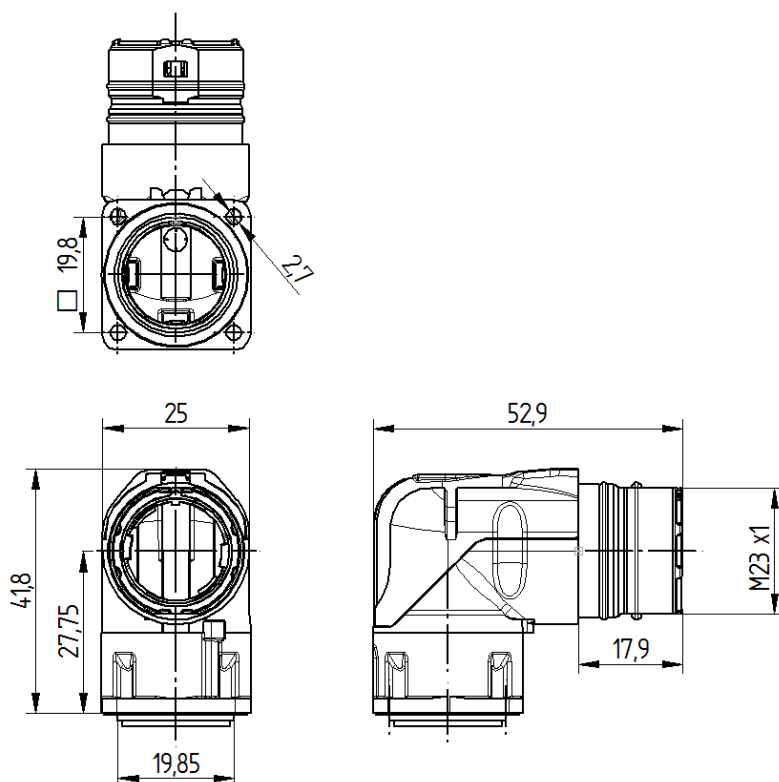
## Standards

Safety Standard

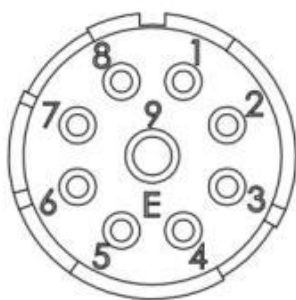
IEC 61984; UL 1977; UL 2238; CSA 22.2 182.3

## Technical Drawings

Housing



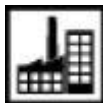
Insert



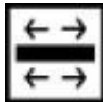
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| Valid from:<br>28.03.2019 | <b>EPIC® SIGNAL M23 KIT A3 8+1 PINS SOLDER<br/>TERMINATION</b> |                                                                                     |



Good chemical resistance



Industrial machinery and plant engineering



Optimum strain relief



Mechanical resistance



Assembly time



Robust



Integrated SKINTOP® cable gland



Wind energy



Variety of approval certifications

### Info

Robust metal connector with integrated EMC cable gland

### Application range

Plant engineering

Servo drives and Servo assemblies

Measurement and control technology

Apparatus construction

### Remark

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

|                                           |                                       |             |
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