

|                           |                                                                           |                                                                                     |
|---------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 75009701                  | <b>DATA SHEET</b>                                                         |  |
| Valid from:<br>31.10.2018 | <b>EPIC<sup>®</sup> SIGNAL M23 KIT F6 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 | 75009701                                            |
| Housing                           | SIGNAL M23 F6 (44420040)                            |
| Insert                            | 8+1 (E-Part) Pin with solder termination (73002744) |

## General characteristics

|                                       |                              |
|---------------------------------------|------------------------------|
| Series                                | SIGNAL M23                   |
| Type                                  | F6, Coupling connector       |
| 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>    |
| Clamping range                        | 7,0 mm – 13,5 mm             |
| Degree of protection                  | IP 68 (10 h / 1 m) (latched) |
| Cycles of mechanical operation        | 100                          |
| Temperature range                     | -25 °C to +125 °C            |

## Materials and surfaces

|                        |               |
|------------------------|---------------|
| Housing, base material | Zinc die-cast |
| Housing, surface       | Nickel        |
| 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

VDE-Approval, VDE-REG.-Nr.  
UL File Number

C024  
E249137



## Standards

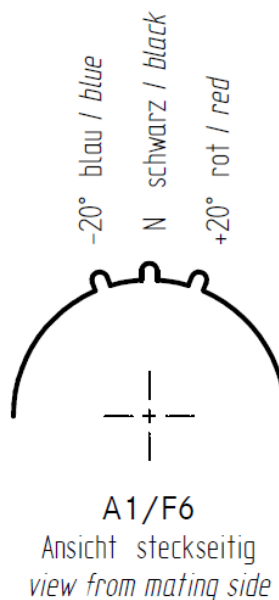
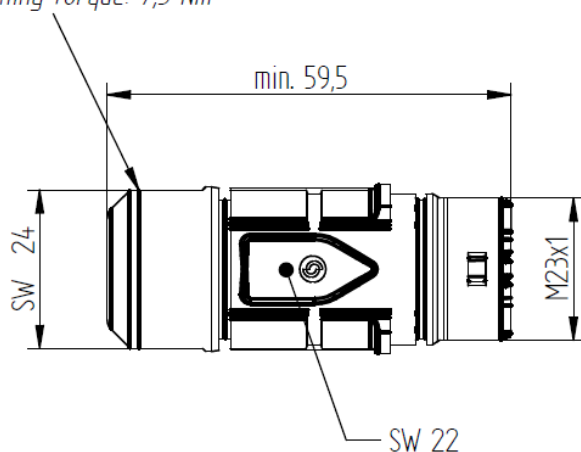
Safety Standard

IEC 61984; UL 1977

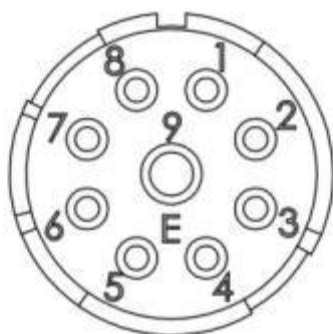
## Technical Drawings

Housing

Anzugsdrehmoment: 7,5 Nm  
tightening torque: 7,5 Nm



Insert

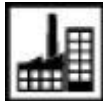


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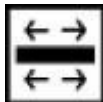
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Good chemical resistance



Industrial machinery and plant engineering



Optimum strain relief



Mechanical resistance



Assembly time



Robust



Integrated SKINTOP<sup>®</sup> 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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