



## 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 | 75009713                                           |
| Housing                           | SIGNAL M23 F6 (44420040)                           |
| Insert                            | 12 (P-Part) Pin with solder termination (73002714) |

## General characteristics

|                                |                              |
|--------------------------------|------------------------------|
| Series                         | SIGNAL M23                   |
| Type                           | F6, Coupling connector       |
| Version                        | Male                         |
| Connection type                | Solder termination           |
| Coding                         | Black (N)                    |
| Pin-arrangement                | 12 (P-Part)                  |
| Contact diameter               | 1 mm                         |
| Termination cross section      | Up to 1 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         | 100 V    |
| Rated impulse voltage | 1,5 kV   |
| Rated current         | 7 A      |
| Contact resistance    | < 4 mOhm |
| Verschmutzungsgrad    | 3        |

AbN  
automation

75009713

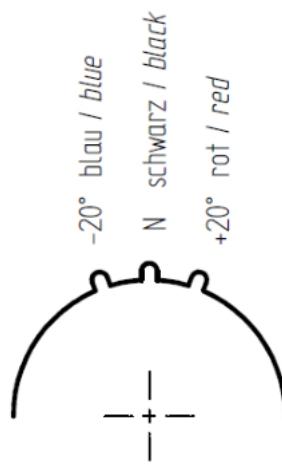
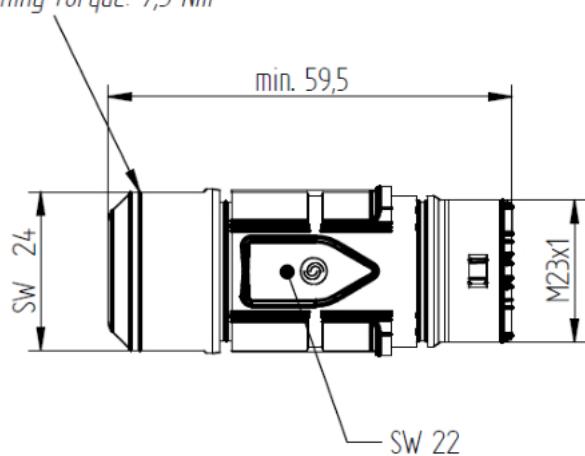
**DATA SHEET**Valid from:  
31.10.2018**EPIC® SIGNAL M23 KIT F6 12 PINS SOLDER  
TERMINATION****LAPP****Approvals**VDE-Approval, VDE-REG.-Nr.  
UL File NumberC24  
E249137**Standards**

Safety Standard

IEC 61984

**Technical Drawings**

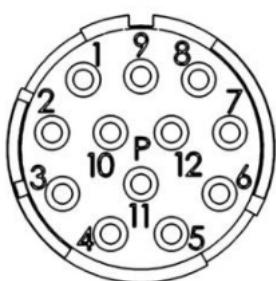
Housing

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

A1/F6

Ansicht steckseitig  
*view from mating side*

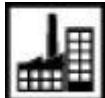
Insert



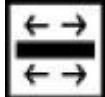
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**DATA SHEET**Valid from:  
31.10.2018**EPIC® SIGNAL M23 KIT F6 12 PINS SOLDER  
TERMINATION****LAPP**

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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Version: 00

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