


75009701	<b>DATA SHEET</b>	
Valid from: 31.10.2018	<b>EPIC<sup>®</sup> SIGNAL M23 KIT F6 8+1 PINS SOLDER 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) 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

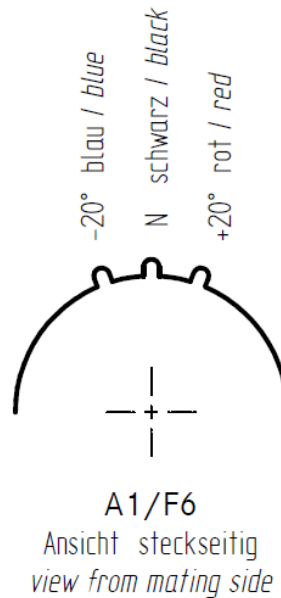
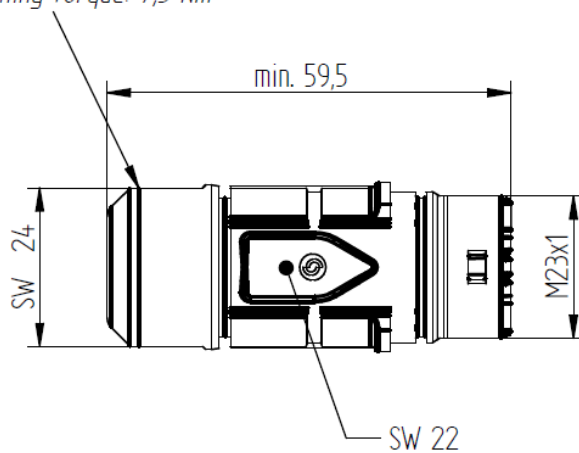
Safety Standard

IEC 61984; UL 1977

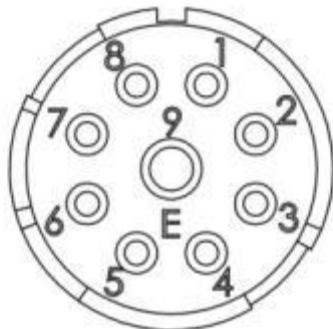
### Technical Drawings

Housing


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



Insert



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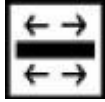
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Good chemical resistance



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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