

## 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	75009705
Housing	SIGNAL M23 F6 (44420040)
Insert	12 (E-Part) Pin with solder termination (73002720)

## General characteristics

Series	SIGNAL M23
Type	F6, Coupling connector
Version	Male
Connection type	Solder termination
Coding	Black (N)
Pin-arrangement	12 (E-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

75009705

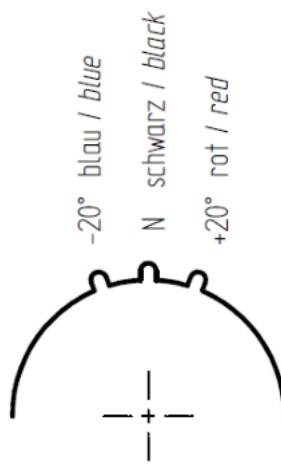
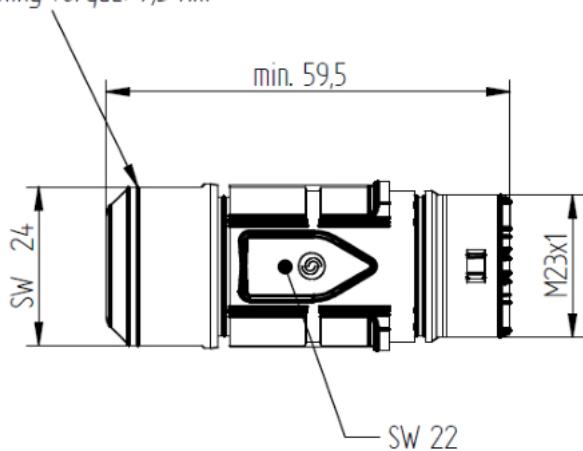
**DATA SHEET**Valid from:  
31.10.2018**EPIC® SIGNAL M23 KIT F6 12 PINS SOLDER  
TERMINATION****LAPP****Approvals**VDE-Approval, VDE-REG.-Nr.  
UL File NumberC024  
E249137**Standards**

Safety Standard

IEC 61984; UL 1977

**Technical Drawings**

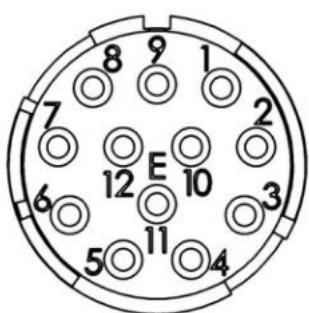
Housing

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

A1/F6

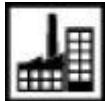
Ansicht steckseitig  
*view from mating side*

Insert

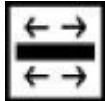




Good chemical resistance



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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