

# Product data sheet

## Miniature connectors



Product description **M16 IP40 female cable connector, Contacts: 12, 4.0 - 6.0 mm, shieldable, solder, IP40**

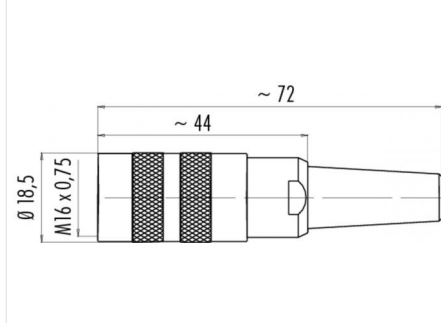
Area **M16 IP40 series 581**

Order number **99 2030 00 12**

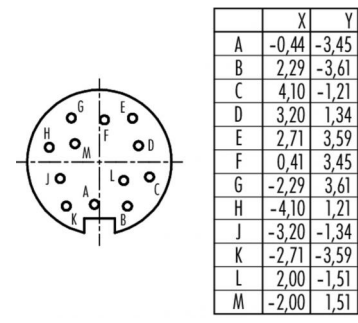
### Illustration



### Scale drawing



### Contact arrangement



You can find the component part drawing on the next page.

## Technical data

### General values

Connector design female cable connector  
 Connector locking system screw  
 Termination solder  
 Wire gauge (mm) 0.25 mm<sup>2</sup>  
 Wire gauge (AWG) 24  
 Cable outlet 4.0 - 6.0 mm  
 Upper limit temperature 85 °C  
 Lower limit temperature -40 °C  
 Customs tariff number 85369010  
 Packaging Unit 40

### Electrical values

Rated current (40 °C) 3 A  
 Rated voltage 60 V  
 Rated impulse voltage 500 V  
 Pollution degree 1  
 Overvoltage category I  
 Insulating material group III  
 Insulation resistance  $\geq 10^{10} \Omega$   
 EMC compliance shieldable  
 Degree of protection IP40  
 Mechanical operation > 500 Mating cycles

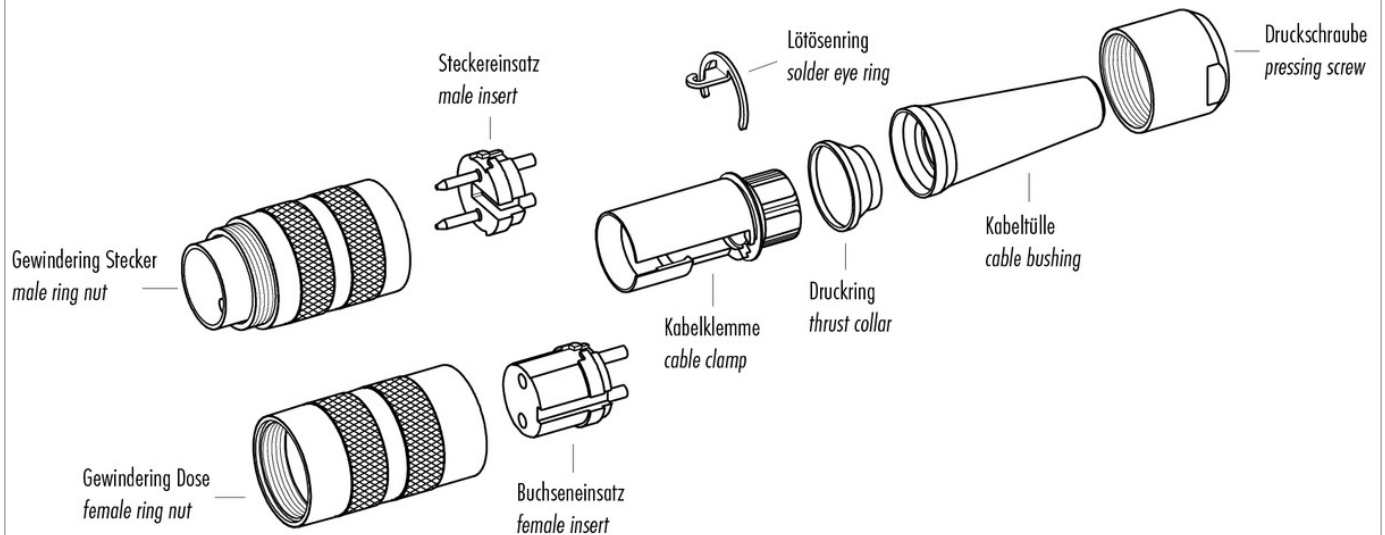
### Material

Contact material CuSn (bronze)  
 Contact plating Au (gold)  
 Contact body material PBT (UL94 V-0)

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Component part drawing



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## Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).