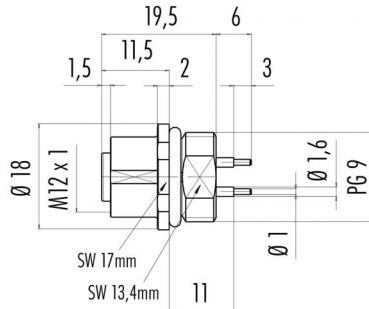


Product description **M12-D female panel mount connector, Contacts: 4, not shielded, dip-solder, IP67, UL, PG9**  
 Area **M12-D series 876**  
 Order number **86 0136 0000 00404**

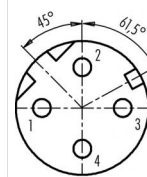
**Illustration**



**Scale drawing**



**Contact arrangement (Plug-in side)**



|   | X     | Y     |
|---|-------|-------|
| 1 | -2,50 | 0,00  |
| 2 | 0,00  | 2,50  |
| 3 | 2,50  | 0,00  |
| 4 | 0,00  | -2,50 |

- 1 yellow
- 2 white
- 3 orange
- 4 blue

You can find the assembly instructions on the next page.

**Technical data**

**General values**

Notice Please note that, due to the change from the old to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right.

Connector design female panel mount connector  
 Connector locking system screw  
 Termination dip-solder  
 Upper limit temperature 85 °C  
 Lower limit temperature - 40 °C  
 Customs tariff number 85369010  
 Packaging Unit 20

**Cable data**

Approval 1 UL

**Electrical values**

Rated current (40 °C) 4 A  
 Rated voltage 250 V  
 Rated impulse voltage 2500 V  
 Pollution degree 3  
 Overvoltage category II  
 Insulating material group II  
 Insulation resistance > 10<sup>10</sup> Ω  
 EMC compliance not shielded  
 Degree of protection IP67  
 Mechanical operation > 100 Mating cycles

**Material**

Contact material CuSn (bronze)  
 Contact plating Au (gold)  
 Contact body material PA  
 Housing material Zinc die-cast nickel-plated  
 Locking material Zinc die-cast nickel-plated  
 REACH SVHC CAS 7439-92-1 (Lead)

|                     |   |
|---------------------|---|
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| Order number        | <b>86 0136 0000 00404</b>   |

Assembly instructions / Panel cut-out

Mit Fläche als Verdrehschutz  
With flats as anti-rotation device

PG 9/M16 x 1,5/M20 x 1,5

D

Mit Durchgangsbohrung  
With bore hole

C

1 x 45°

Mit Gewinde, einschraubbar  
With thread to screw in

45°

B

A

alternativ/alternativ

|         | A       | B    | C    | D    |
|---------|---------|------|------|------|
| PG 9    | PG 9    | 16,2 | 15,3 | 13,5 |
| PG 13,5 | PG 13,5 | 21,5 | 20,5 | –    |
| M16x1,5 | M16x1,5 | 17,0 | 16,1 | 13,5 |
| M20x1,5 | M20x1,5 | 21,0 | 20,1 | –    |

Anzugsdrehmoment/Tightening torque

|                                   |         |
|-----------------------------------|---------|
| Metallgehäuse/Metal housing       | 6,25 Nm |
| Kunststoffgehäuse/Plastic housing | 3,75 Nm |

|                     |   |
|---------------------|---|
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| Area                | <b>M12-D series 876</b>   |
| Order number        | <b>86 0136 0000 00404</b>   |

## Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

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.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.