Product data sheet
Miniature connectors

M16 IP40 male panel mount connector, Contacts: 2, unshielded, solder, IP40

Area
M16 IP40 series 680
Order number
09 0303 09 02

You can find the assembly instructions on the next page.

Technical data

General features
Order number
09 0303 09 02
Connector design
male panel mount connector
Version
connector male straight
Connector locking system
screw
Termination
solder
Degree of protection
IP40
Cross-sectional area
0.75 mm² / AWG 18
Temperature range from/to
-40 °C / 85 °C
Mechanical operation
> 500 Mating cycles
Weight (g)
10.295
Customs tariff number
85369010

Material
Housing material
Zinc die-cast nickel-plated
Contact body material
PBT (UL94 V-0)
Contact material
CuZn (brass)
Contact plating
Au (gold)
REACH SVHC
CAS 7439-92-1 (Lead)

Electrical parameters
Rated voltage
250 V
Rated impulse voltage
1500 V
Rated current (40 °C)
7 A
Insulation resistance
≥ 10¹⁰ Ω
Pollution degree
1
Overvoltage category
I
Insulating material group
III
EMC compliance
unshielded
## Product data sheet

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<table>
<thead>
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### Assembly instructions / Panel cut-out

![Diagram of the M16 IP40 male panel mount connector with dimensions 17 x 2.8 x 19 x 1.8]
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#### Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

To protect against unintentional opening of the connector, the thread between the housing and the connector head must be secured with a suitable cyanoacrylate adhesive when used in circuits with voltages dangerous to the touch. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

The plug connector is not suitable for mains voltages. Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

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