### Product data sheet

# Automation technology - Data transmission



Product description M16 Female cable connector, Contacts: 8, 5.5-9.0 mm, shieldable, IDC, IP67

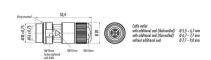
Area M16-X Part no. 99 4172 00 08

#### Illustration

### Scale drawing

### Contact arrangement (Plug-in side)







- white-orange orange white-green green white-brown brown
- 6 brown 7 white-blue 8 blue

shield on housing

#### **Technical data**

#### General features

Part no.	99 4172 00 08
Connector design	Female cable connector
Version	Connector socket straight
Connector locking system	screw
Termination	IDC
Degree of protection	IP67
Cross-sectional area	AWG 24-22/1, AWG 27-22/7
Cable outlet	5.5-9.0 mm
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	28.999
Customs tariff number	85369010

#### **Electrical parameters**

Rated voltage	50 V (AC) / 60 V (DC)
Rated impulse voltage	800 V
Rated current	0.5 A
Insulation resistance	> 10° Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shieldable
Shield connection	Shield clamping

#### Material

HOUSING MATERIAL ZINC GIE-CAST NICKEI-DIATEG	Housing material	Zinc die-cast nickel-plated
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Contact body materialPA (UL94 V-0) blackContact materialCuZn (brass)Contact platingAu (gold)REACH SVHCCAS 7439-92-1 (Lead)

#### Classifications

eCl@ss 11.1 27-44-01-02 ETIM 9.0 EC002635

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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).

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

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".

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).