Product data sheet

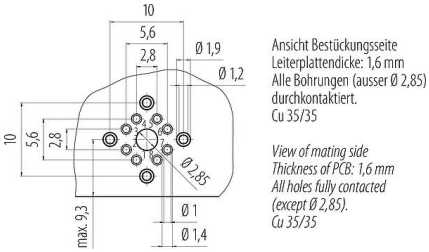
Automation technology - Data transmission

Product description	**M12 Contact insert, Contacts: 8, shieldable, THT, IP67, UL**
Area	**M12-X**
Coding	**X-coded**
Series	**876**
Part no.	**09 3782 202 08**

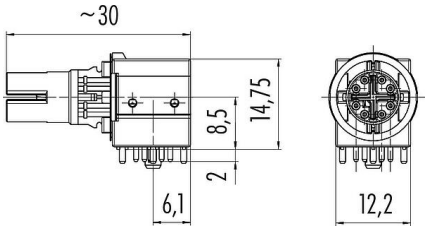
Illustration (may vary)



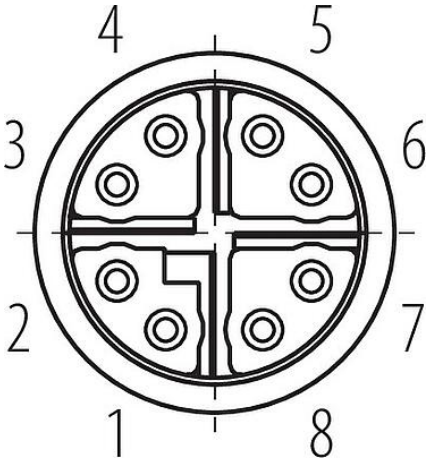
Conductor layout



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	09 3782 202 08
Connector design	Contact insert
Coding	X-coded
Version	Connector socket angled
Connector locking system	screw
Termination	THT

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Degree of protection	IP67
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	7.15
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	50 V (AC) / 60 V (DC)
Rated current	0.5 A
Insulation resistance	> 10^8 Ω
Pollution degree	3
Transmission rate	CAT 6A
Overvoltage category	II
Insulating material group	III
EMC compliance	shieldable
Shield connection	Shield pin

Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PA
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	885f4f2e-e0c1-4727-aa15-8c567a28cc19

Authorization/approvals

Approvals	UL

Classifications

eCl@ss 11.1	27-44-01-09
ETIM 9.0	EC003569

Declarations of conformity

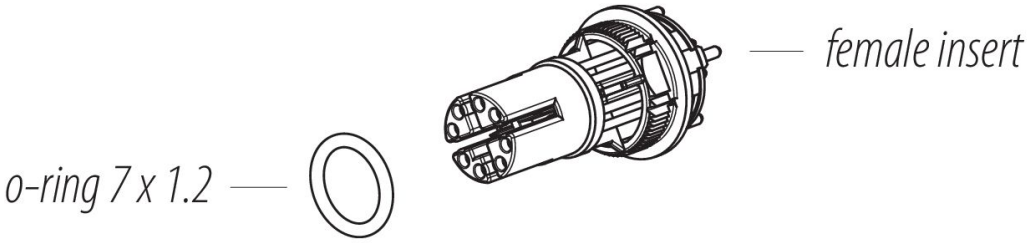
Low Voltage Directive	EN 60529:1991 | EN 60204-1:2018

Product data sheet

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Assembly instructions



Date: 03.10.2026

Product data sheet

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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.

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.

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).