Product data sheet

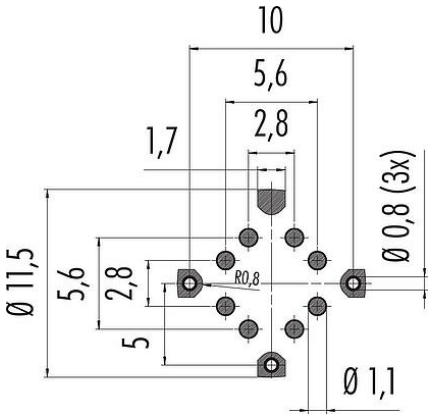
Automation technology - Data transmission

Product description	**M12 Female panel mount connector, Contacts: 8, shieldable, SMT, IP68, M14x1.0, Rear mounting**
Area	**M12-X**
Coding	**X-coded**
Series	**876**
Part no.	**99 3782 401 08**

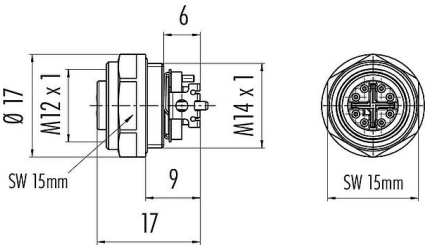
Illustration (may vary)



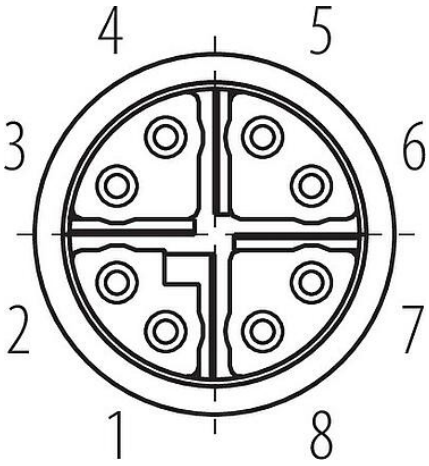
Conductor layout



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	99 3782 401 08
Connector design	Female panel mount connector
Type standard	DIN EN 61076-2-109
Coding	X-coded

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Version	Connector socket straight
Connector locking system	screw
Termination	SMT
Degree of protection	IP68
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Installation height	9
Weight (g)	8.09
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	Shielding plate

Material

Contact body material	PA (UL94 V-0) black
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	CuZn (brass)
Material seal	FPM
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	71920608-87c9-4b74-ae03-a9b1ca88a9de

Classifications

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

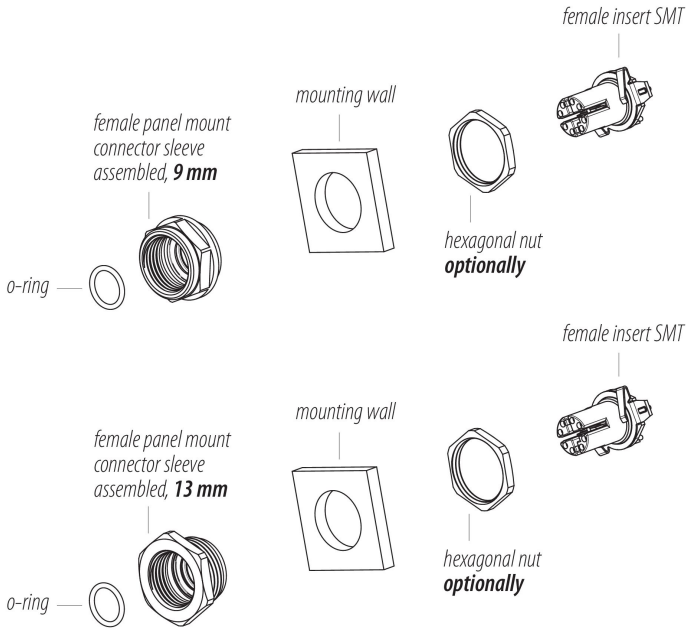
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Assembly instructions

1. *Solder the SMT contact insert to the PCB using a suitable soldering method.*
2. *Fasten panel mount connector sleeve in panel cut out.*
3. *Guide SMT female insert through the panel mount connector sleeve.*
4. *Thread the o-ring onto the contact carrier and push it to the bottom with a suitable tool (possibly SMT male insert).*



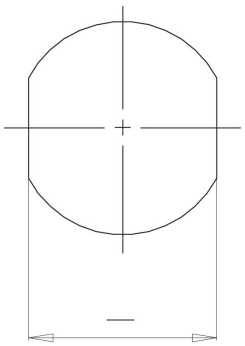
Product data sheet

Automation technology - Data transmission

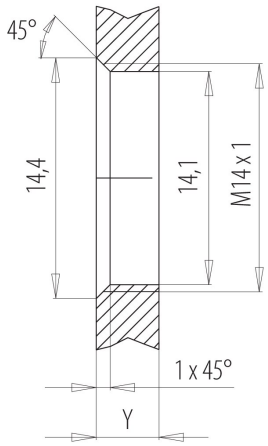
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Assembly instructions / Panel cut-out

With flats as anti-rotation device



With bore hole



Installation direction:
o-ring sits on chamfer.

Tightening moment

Metall housing 1,00 Nm

Thickness of wall **Y** (mm)		
Version	**min** (mm)	**max** (mm)
Fastened from rear	2	3,5
Front fastened	2	4,5
positioning possible [1]	2	3,5
Screw clamp	2	3,5
Thread M12 x 1	2	3,0
Thread M14 x 1 [2]	[3]1,5/[4]2	6,5

Notes

[1] Do not attach a chamfer
[2] Wall thickness:
use nut 38 5385 100 001 up to 1,5 mm,
>1,5 mm cut thread
[3] Nut
[4] Thread in wall of housing

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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).