Product data sheet

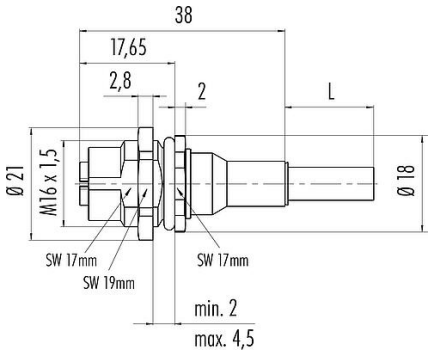
Automation technology - Data transmission

Product description	**M12 Female panel mount connector, Contacts: 8, shielded, with cable assembled, IP67, UL, M16x1.5, Ethernet, PUR, green, 4 x 2 x AWG 26/7, Rear mounting, 0.5 m**
Area	**M12-X**
Coding	**X-coded**
Series	**876**
Part no.	**70 3784 706 08**

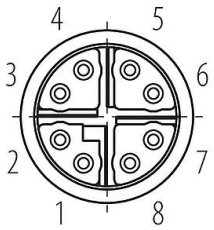
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



1 *white-orange*
2 *orange*
3 *white-green*
4 *green*
5 *white-brown*
6 *brown*
7 *white-blue*
8 *blue*

shield on housing

You can find the component part drawing and assembly instructions on the next page.

Technical data

General features

Part no.	70 3784 706 08
Connector design	Female panel mount connector
Type standard	DIN EN 61076-2-109
Coding	X-coded
Cable length	0.5 m (Other lengths are available on request.)
Version	Connector socket straight
Connector locking system	screw
Termination	with cable assembled
Degree of protection	IP67
Connection cross-section	4 x 2 x AWG 26
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	41.00
Customs tariff number	85444290
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

Product data sheet

Automation technology - Data transmission

Product description	**M12 Female panel mount connector, Contacts: 8, shielded, with cable assembled, IP67, UL, M16x1.5, Ethernet, PUR, green, 4 x 2 x AWG 26/7, Rear mounting, 0.5 m**
Area	**M12-X**
Coding	**X-coded**
Series	**876**
Part no.	**70 3784 706 08**

EMC compliance	shielded
Shield connection	Shield on the housing

Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PA
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	47d1f86c-43e1-4e18-80ef-acb2f8aa134d

Cable data - Structure of the cable

Cable type	Ethernet
Cable diameter	6.2 mm
Cross section	4 x 2 x AWG 26/7
Sheath material	PUR
Single-lead insulation	PE
Single-lead structure	AWG 26/7
Cable color	green

Cable data - Electrical properties

Conductor resistance	145 Ω/Km (20°C)

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 8 x Ø

Cable data - Thermal properties

Temperature range cable in move from/to	-10 °C / 60 °C
Temperature range cable fixed from/to	-40 °C / 85 °C

Cable data - Other features

Halogen free	yes

Authorization/approvals

Approvals	UL

Classifications

eCl@ss 11.1	27-06-03-11
ETIM 9.0	EC002638

Product data sheet

Automation technology - Data transmission

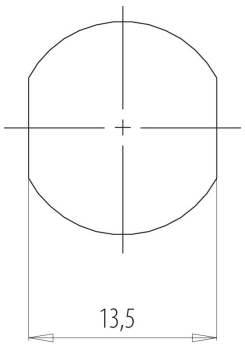
Product description	**M12 Female panel mount connector, Contacts: 8, shielded, with cable assembled, IP67, UL, M16x1.5, Ethernet, PUR, green, 4 x 2 x AWG 26/7, Rear mounting, 0.5 m**
Area	**M12-X**
Coding	**X-coded**
Series	**876**
Part no.	**70 3784 706 08**

Declarations of conformity

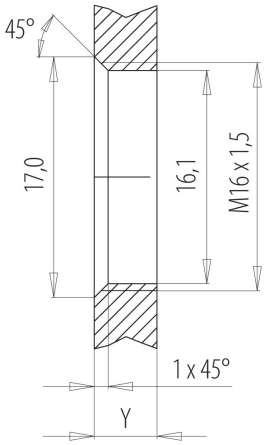
RoHS Directive	EN IEC 63000:2018

Assembly instructions / Panel cut-out

With flats as anti-rotation device



With bore hole



Installation direction: o-ring sits on chamfer.

Tightening moment

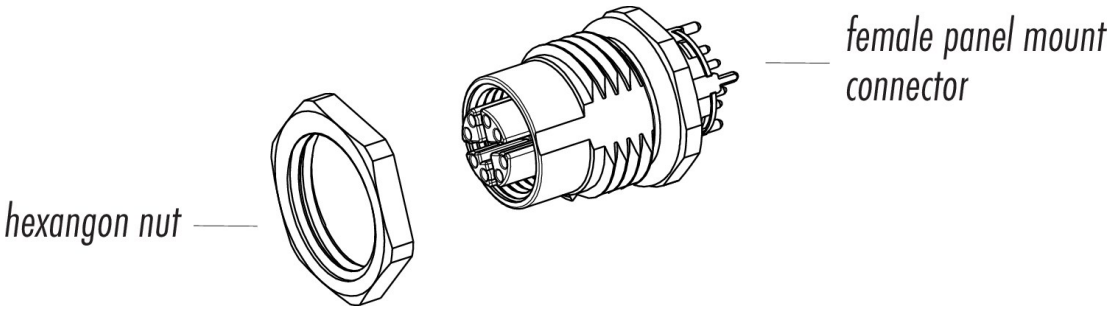
Metall housing/Plastic housing 1,25 Nm

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

Component part drawing



Date: 03.10.2026

Product data sheet

Automation technology - Data transmission

Product description	**M12 Female panel mount connector, Contacts: 8, shielded, with cable assembled, IP67, UL, M16x1.5, Ethernet, PUR, green, 4 x 2 x AWG 26/7, Rear mounting, 0.5 m**
Area	**M12-X**
Coding	**X-coded**
Series	**876**
Part no.	**70 3784 706 08**

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).