

Product data sheet

Automation technology - Data transmission

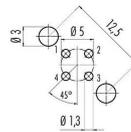


Product description	M12 Female panel mount connector, Contacts: 4, shieldable, THT, IP67, UL 2238, PG 9, Rear mounting
Area	M12-D
Coding	D-coded
Series	825
Part no.	86 0536 1120 00404

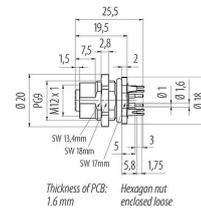
Illustration



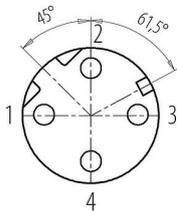
Conductor layout



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	86 0536 1120 00404
Notice	Alternative part no.: 09 3732 500 04 Please note that, due to the change from the old to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right.
Connector design	Female panel mount connector
Type standard	DIN EN 61076-2-101
Coding	D-coded
Version	Connector socket straight
Connector locking system	screw
Termination	THT
Degree of protection	IP67

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Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	15.61
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current	4.0 A
Insulation resistance	> 10 ¹⁰ Ω
Pollution degree	3
Transmission rate	CAT 5
Overvoltage category	II
Insulating material group	II
EMC compliance	shieldable
Shield connection	Shielding plate

Material

Housing material	CuZn (Brass 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	bc522939-c3b5-4f83-bbd7-62b01b35120e

Authorization/approvals

Approvals	UL 2238
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Classifications

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

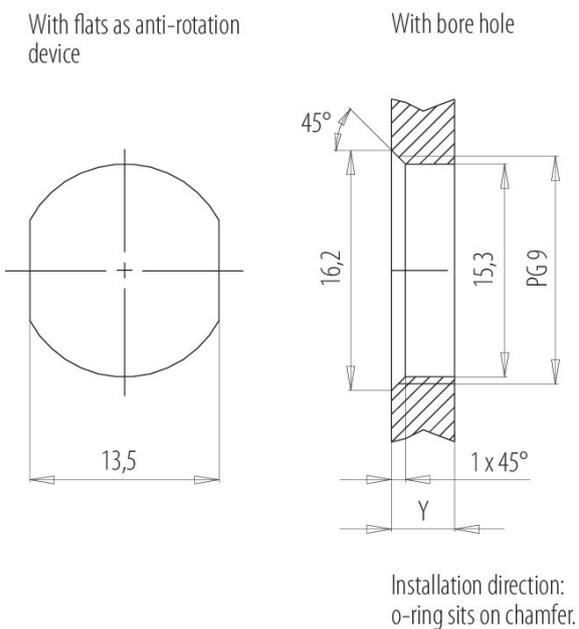
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Assembly instructions / Panel cut-out



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

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General Disclaim Notice

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).