Product data sheet

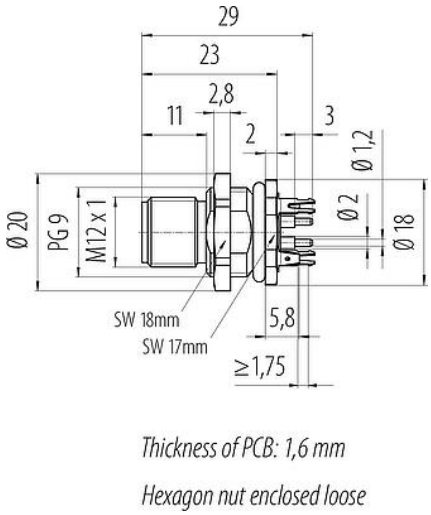
Automation technology - Voltage and Power Supply

Product description	**M12 Male panel mount connector, Contacts: 4, shielded, THT, IP68, UL 2238, PG 9, Rear mounting, potted**
Area	**M12-T**
Coding	**T-coded**
Series	**813**
Part no.	**86 1239 1100 00044**

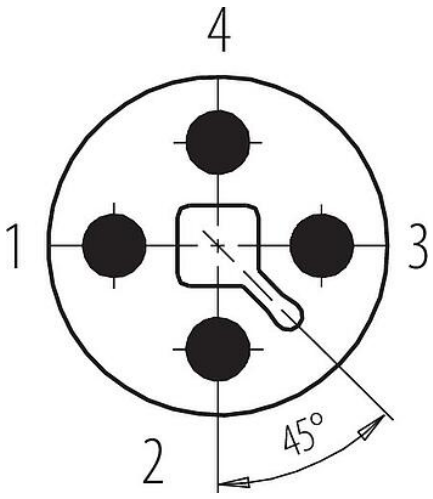
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	86 1239 1100 00044
Connector design	Male panel mount connector
Coding	T-coded
Version	Panel mount Connectors
Connector locking system	screw
Termination	THT
Degree of protection	IP68
Connection cross-section	max. 1.50 mm² with ferrule / max. 2.50 mm² without ferrule
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	17.87
Customs tariff number	85369010

Electrical parameters

Rated voltage	63 V
Rated impulse voltage	1500 V
Rated current	12.0 A
Insulation resistance	> 10^8 Ω
Pollution degree	3

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Overvoltage category	III
Insulating material group	II
EMC compliance	shielded

Material

Contact body material	Zinc die-cast nickel-plated
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	40746c22-ee56-4a60-bace-a84fd13221ff

Authorization/approvals

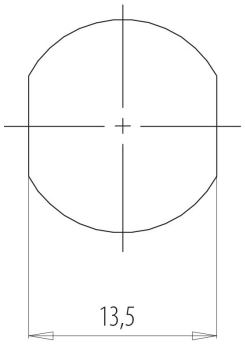
Approvals	UL 2238

Declarations of conformity

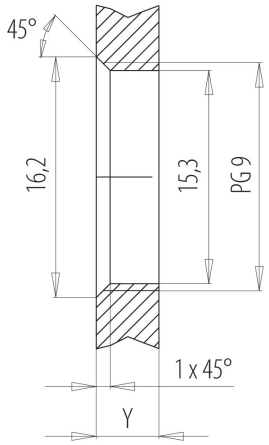
Low Voltage Directive	2014/35/EU (EN 60204-1:2018 | 2011/65/EU (EN IEC 63000:2018 | 2014/35/EU;EN 60529:1991))
EMC Directive	2011/65/EU (EN IEC 63000:2018)
RoHS Directive	2011/65/EU (EN IEC 63000:2018)
Ecodesign Directive	2011/65/EU (EN IEC 63000:2018)

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

Product data sheet

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Part no.	**86 1239 1100 00044**

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).