Product data sheet

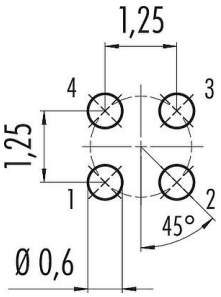
Automation technology - Sensors and actuators

Product description	**M5 Male panel mount connector, Contacts: 4, unshielded, THT, IP67, UL 2238, M5x0.5, Rear mounting, potted**
Area	**M5**
Coding	**A-coded**
Series	**707**
Part no.	**86 8105 1100 00004**

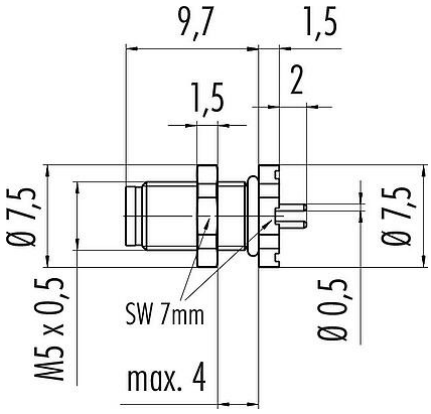
Illustration (may vary)



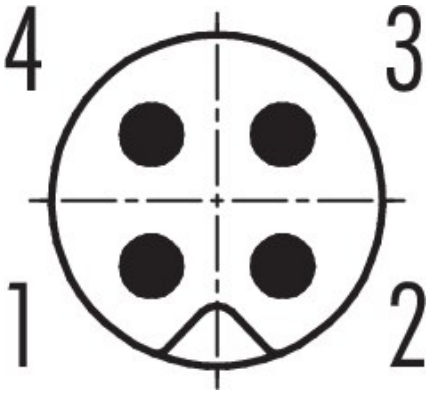
Conductor layout



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	86 8105 1100 00004 Alternative part no.: 09 3111 81 04
Connector design	Male panel mount connector
Type standard	DIN EN 61076-2-105
Coding	A-coded
Version	Connector pin straight

Product data sheet

Automation technology - Sensors and actuators

Product description	**M5 Male panel mount connector, Contacts: 4, unshielded, THT, IP67, UL 2238, M5x0.5, Rear mounting, potted**
Area	**M5**
Coding	**A-coded**
Series	**707**
Part no.	**86 8105 1100 00004**

Connector locking system	screw
Termination	THT
Degree of protection	IP67
Temperature range from/to	-25 °C / 80 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	1.23
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	800 V
Rated current	1.0 A
Insulation resistance	> 10^{8} Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	I
EMC compliance	unshielded

Material

Contact body material	PA
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	b4c5ab6e-690e-4862-982a-fbee8d902079

Authorization/approvals

Approvals	UL 2238

Classifications

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

Declarations of conformity

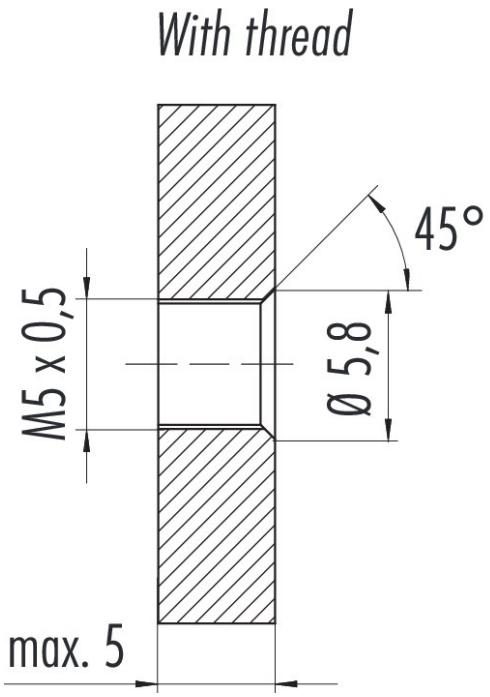
Low Voltage Directive	2014/35/EU (EN 60204-1:2018 | 2011/65/EU (EN IEC 63000:2018 | 2014/35/EU;EN 60529:1991))
EMC Directive	2011/65/EU (EN IEC 63000:2018)
RoHS Directive	2011/65/EU (EN IEC 63000:2018)
Ecodesign Directive	2011/65/EU (EN IEC 63000:2018)

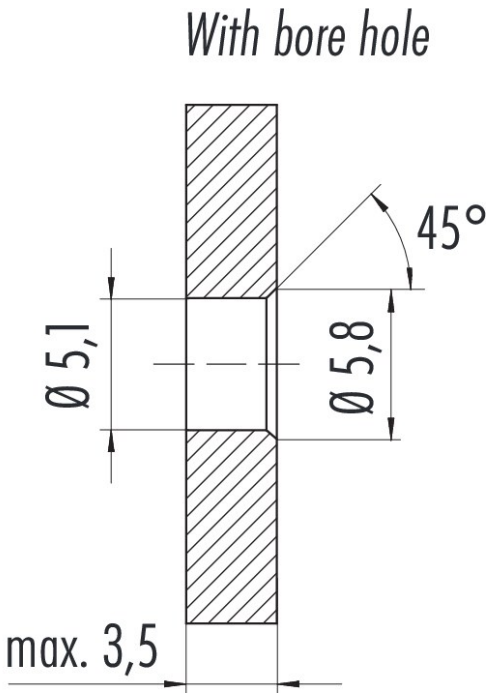
Product data sheet

Automation technology - Sensors and actuators

Product description	**M5 Male panel mount connector, Contacts: 4, unshielded, THT, IP67, UL 2238, M5x0.5, Rear mounting, potted**
Area	**M5**
Coding	**A-coded**
Series	**707**
Part no.	**86 8105 1100 00004**

Assembly instructions / Panel cut-out





Product data sheet

Automation technology - Sensors and actuators

Product description	**M5 Male panel mount connector, Contacts: 4, unshielded, THT, IP67, UL 2238, M5x0.5, Rear mounting, potted**
Area	**M5**
Coding	**A-coded**
Series	**707**
Part no.	**86 8105 1100 00004**

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. 50 cNm).