Product data sheet

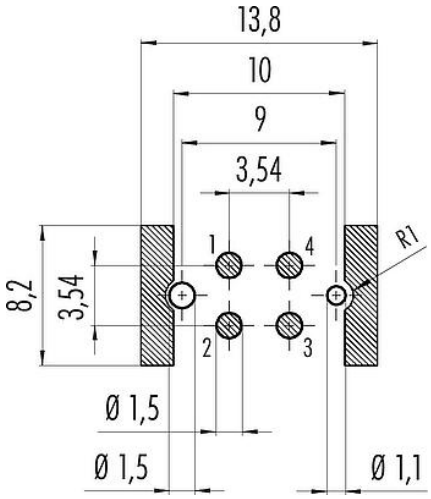
Automation technology - Data transmission

Product description	**M12 Male panel mount connector, Contacts: 4, shieldable, SMT, IP67**
Area	**M12-D**
Coding	**D-coded**
Series	**825**
Part no.	**09 0731 601 04**

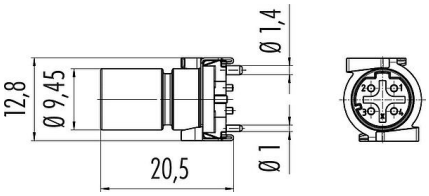
Illustration (may vary)



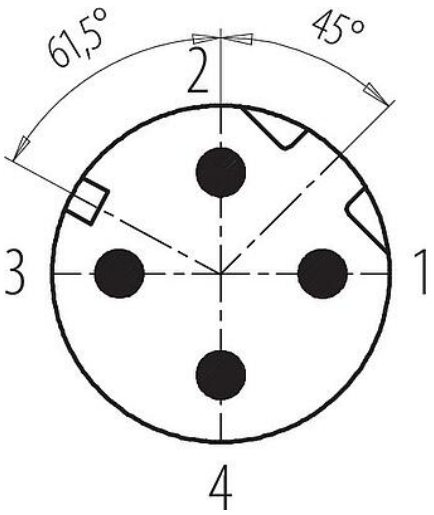
Conductor layout



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

Product data sheet

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General features

Part no.	09 0731 601 04
Connector design	Male panel mount connector
Type standard	DIN EN 61076-2-101
Coding	D-coded
Version	Connector pin straight
Connector locking system	screw
Termination	SMT
Degree of protection	IP67
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	2.14
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^{8} Ω
Pollution degree	3
Transmission rate	CAT 5
Insulating material group	II
EMC compliance	shieldable
Shield connection	Shielding plate
Voltage	250 V DC

Material

Housing material	CuZn (Brass nickel plated)
Contact body material	LCP
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	7d538d45-b682-4346-a8bc-4dcefe67ff1a

Classifications

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

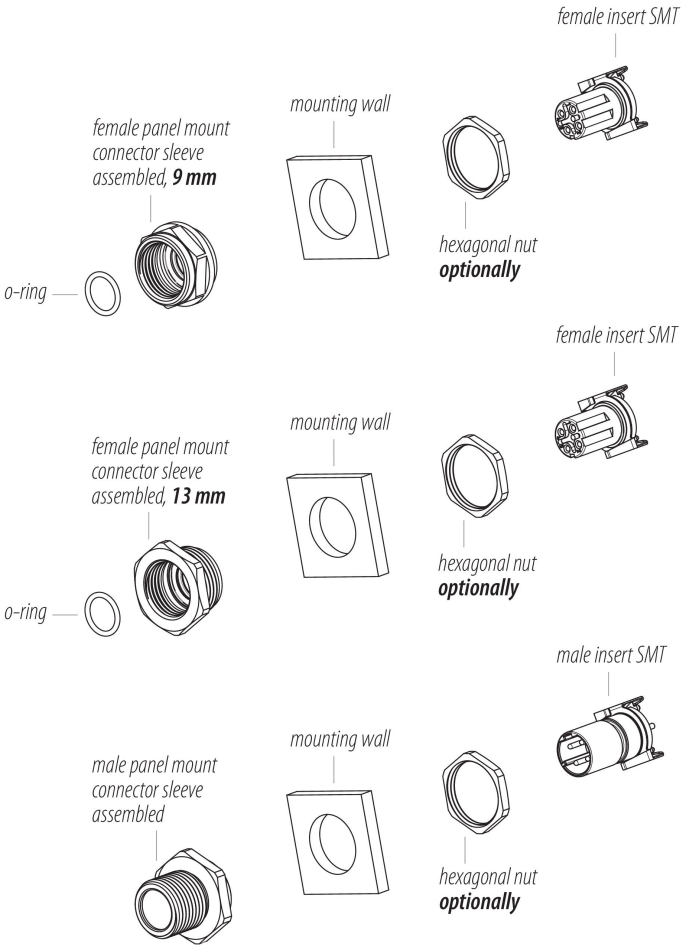
Product data sheet

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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 contact insert through the panel mount connector sleeve.*
4. *Only for female parts:*
   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

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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).