Product data sheet

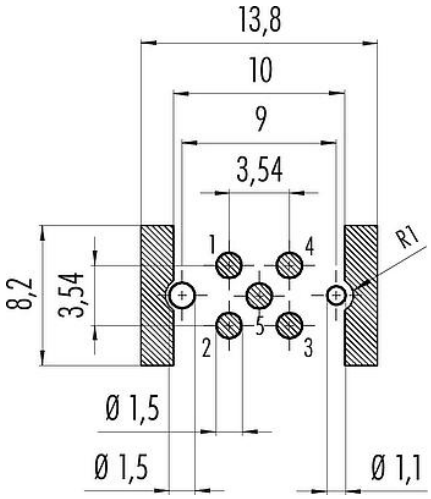
Automation technology - Data transmission

Product description	**M12 Male receptacle, Contacts: 5, shieldable, SMT, IP67**
Area	**M12-B**
Coding	**B-coded**
Series	**715**
Part no.	**09 0445 601 05**

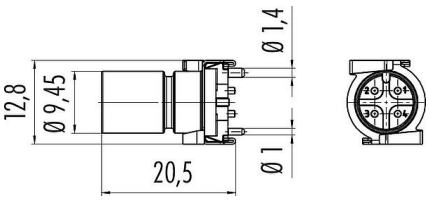
Illustration (may vary)



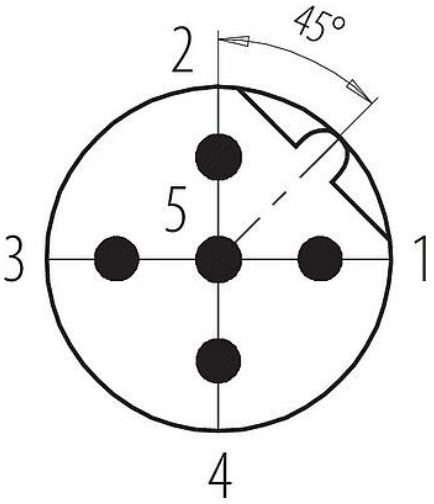
Conductor layout



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	09 0445 601 05

Date: 03.10.2026

Product data sheet

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Connector design	Male receptacle
Type standard	DIN EN 61076-2-101
Coding	B-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)	2.27
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	1500 V
Rated current	4.0 A
Insulation resistance	> 10^{8} Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shieldable
Shield connection	Shielding plate

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	ac6db14a-483b-4186-b9ce-d2ca1e2d8679

Classifications

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

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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).