

# Product data sheet

## Automation technology - Voltage and Power Supply

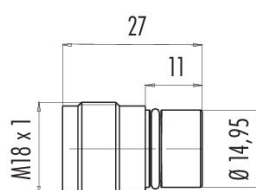


Product description **M18 Male receptacle, Contacts: 4, unshielded, solder, IP67**  
Area **M18**  
Part no. **09 0441 00 04**

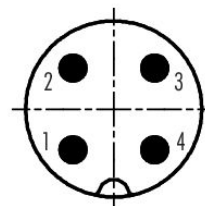
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



## Technical data

### General features

Part no.	<b>09 0441 00 04</b>
Connector design	Male receptacle
Version	Connector pin straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Cross-sectional area	1.50 mm <sup>2</sup> / AWG 16
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 50 Mating cycles
Weight (g)	5.22
Customs tariff number	85369010
Country of Origin	DE

### Electrical parameters

Rated voltage	250 V
Rated impulse voltage	4000 V
Rated current	16.0 A
Insulation resistance	> 10 <sup>8</sup> Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	II
EMC compliance	unshielded

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### Material

Housing material	PA
Contact body material	PA
Contact material	CuZn (brass)
Contact plating	CuSnZn (Optalloy)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	8048b471-21a8-4a0f-b822-731036bb0985

### 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.

The plug connector is not suitable for mains voltages Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".