

# Product data sheet

## Miniature connectors

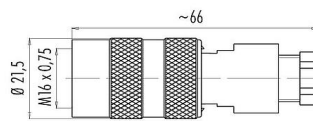


Product description	<b>M16 Female cable connector, Contacts: 14 (14-b), 6.0-8.0 mm, unshielded, solder, IP67</b>
Area	<b>M16 IP67</b>
Part no.	<b>09 0452 70 14</b>

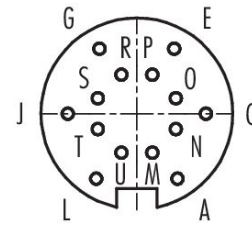
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

## Technical data

### General features

Part no.	<b>09 0452 70 14</b>
Connector design	Female cable connector
Type standard	DIN EN 61076-2-106
Version	Connector socket straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Cross-sectional area	0.25 mm <sup>2</sup> / AWG 24
Cable outlet	6.0-8.0 mm
Temperature range from/to	-40 °C / 95 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	40.78
Customs tariff number	85369010
Country of Origin	DE

### Electrical parameters

Rated voltage	60 V
Rated impulse voltage	500 V
Rated current	3,0 A
Insulation resistance	$\geq 10^{10} \Omega$
Pollution degree	1
Oversvoltage category	I
Insulating material group	III
EMC compliance	unshielded



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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.

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".

The protection class specification applies on condition that the four mounting holes are made as blind holes.