

# Product sheet

## Miniature connector



Product	<b>Contacts: 4, cable plug connector, cable outlet 6 - 7.8 mm</b>	Area	<b>M16 IP40 Series 680</b>
Pole	<b>4</b>	Article number	<b>09 0309 02 04</b>

Illustration	Scale drawing	Contact Arrangement															
		<table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3,32</td> <td>-1,08</td> </tr> <tr> <td>2</td> <td>2,05</td> <td>2,83</td> </tr> <tr> <td>3</td> <td>-2,05</td> <td>2,83</td> </tr> <tr> <td>4</td> <td>-3,32</td> <td>-1,08</td> </tr> </tbody> </table>		X	Y	1	3,32	-1,08	2	2,05	2,83	3	-2,05	2,83	4	-3,32	-1,08
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You can find the item description on the next page.

## Technical data

### Common values

Connector Design	Cable plug connector
Connector locking system	screw
Termination	Solder
Wire gauge (mm)	0.75 mm <sup>2</sup>
Wire gauge (AWG)	20
Cable outlet	6 - 7.8 mm
Upper temperature	85 °C
Lower temperature	-40 °C

### Electrical values

Rated voltage	250 V
Rated impulse voltage	1500 V
Pollution degree	1
Overvoltage category	I
Material group	III
Rated current (40°C)	6 A
Volume resistivity	≤ 5 mΩ
EMV compliance	not shielded
Degree of protection	IP40
Mechanical operation	> 500 mating cycles

### Material

Material of contact	CuZn (Brass)
Contact plating	Ag (Silver)
Material of contact body	PBT (UL 94 V-0)
Material of housing	PA (UL 94 HB)

Contacts: 4, cable plug connector, cable outlet 6 - 7.8 mm, silver plated contacts

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