

**Product sheet**  
**Miniature connector**



Product	<b>Contacts: 5 Stereo, female angled connector, cable outlet 6 - 8 mm, plastic model</b>	Area	<b>M16 IP40 Series 682</b>
Pole	<b>5 Stereo</b>	Article number	<b>09 0142 72 05</b>

Illustration	Scale drawing	Contact Arrangement																		
		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-3,50</td> <td>0,00</td> </tr> <tr> <td>2</td> <td>0,00</td> <td>3,50</td> </tr> <tr> <td>3</td> <td>3,50</td> <td>0,00</td> </tr> <tr> <td>4</td> <td>-2,47</td> <td>2,47</td> </tr> <tr> <td>5</td> <td>2,47</td> <td>2,47</td> </tr> </tbody> </table>		X	Y	1	-3,50	0,00	2	0,00	3,50	3	3,50	0,00	4	-2,47	2,47	5	2,47	2,47
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You can find the item description on the next page.

## Technical data

### Common values

Connector Design	Female angled 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	60 V
Rated impulse voltage	500 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	CuSn (Bronze)
Contact plating	Ag (Silver)
Material of contact body	PBT (UL 94 V-0)
Material of housing	PA (UL 94 HB)

Contacts: 5 Stereo, Female angled connector, cable outlet 6 - 8 mm, plastic model, silver plated contacts

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