

# Product sheet

## Miniature connector



Product	<b>Contacts: 7, cable plug connector, cable outlet 6 - 7.8 mm</b>	Area	<b>M16 IP40 Series 680</b>
Pole	<b>7</b>	Article number	<b>09 0325 02 07</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>-1,75</td><td>-3,03</td></tr> <tr><td>2</td><td>-3,50</td><td>0,00</td></tr> <tr><td>3</td><td>-1,75</td><td>3,03</td></tr> <tr><td>4</td><td>1,75</td><td>3,03</td></tr> <tr><td>5</td><td>3,50</td><td>0,00</td></tr> <tr><td>6</td><td>1,75</td><td>-3,03</td></tr> <tr><td>7</td><td>0,00</td><td>0,00</td></tr> </tbody> </table>		X	Y	1	-1,75	-3,03	2	-3,50	0,00	3	-1,75	3,03	4	1,75	3,03	5	3,50	0,00	6	1,75	-3,03	7	0,00	0,00
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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	125 V
Rated impulse voltage	800 V
Pollution degree	1
Overvoltage category	I
Material group	III
Rated current (40°C)	5 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: 7, cable plug connector, cable outlet 6 - 7.8 mm, silver plated contacts

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Item description

