

# Product sheet

## Miniature connector



Product	<b>Contacts: 14, cable plug connector, cable outlet 6 - 7.8 mm</b>	Area	<b>M16 IP40 Series 680</b>
Pole	<b>14</b>	Article number	<b>09 0341 02 14</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>A</td><td>-2,50</td><td>-4,00</td></tr> <tr><td>C</td><td>-4,25</td><td>0,00</td></tr> <tr><td>E</td><td>-2,30</td><td>4,00</td></tr> <tr><td>G</td><td>2,30</td><td>4,00</td></tr> <tr><td>J</td><td>4,25</td><td>0,00</td></tr> <tr><td>L</td><td>2,50</td><td>-4,00</td></tr> <tr><td>M</td><td>-0,95</td><td>-2,40</td></tr> <tr><td>N</td><td>-2,40</td><td>-0,95</td></tr> <tr><td>O</td><td>-2,40</td><td>0,95</td></tr> <tr><td>P</td><td>-0,95</td><td>2,40</td></tr> <tr><td>R</td><td>0,95</td><td>2,40</td></tr> <tr><td>S</td><td>2,40</td><td>0,95</td></tr> <tr><td>T</td><td>2,40</td><td>-0,95</td></tr> <tr><td>U</td><td>0,95</td><td>-2,40</td></tr> </tbody> </table>		X	Y	A	-2,50	-4,00	C	-4,25	0,00	E	-2,30	4,00	G	2,30	4,00	J	4,25	0,00	L	2,50	-4,00	M	-0,95	-2,40	N	-2,40	-0,95	O	-2,40	0,95	P	-0,95	2,40	R	0,95	2,40	S	2,40	0,95	T	2,40	-0,95	U	0,95	-2,40
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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)	0.25 mm <sup>2</sup>
Wire gauge (AWG)	24
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)	3 A
Volume resistivity	≤ 3 mΩ
EMV compliance	not shielded
Degree of protection	IP40
Mechanical operation	> 500 mating cycles

### Material

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

Contacts: 14, cable plug connector, cable outlet 6 - 7.8 mm, gold plated contacts

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