

# Product sheet

## Miniature connector



Product	<b>Contacts: 12, Female cable connector, shielded</b>	Area	<b>M16 IP67 Series 425</b>
Pole	<b>12</b>	Article number	<b>79 6130 20 12</b>

Illustration	Scale drawing	Contact Arrangement																								
		<table style="margin-left: auto; margin-right: auto;"> <tr><td>A</td><td>weiß</td></tr> <tr><td>B</td><td>braun</td></tr> <tr><td>C</td><td>grün</td></tr> <tr><td>D</td><td>gelb</td></tr> <tr><td>E</td><td>grau</td></tr> <tr><td>F</td><td>rosa</td></tr> <tr><td>G</td><td>blau</td></tr> <tr><td>H</td><td>rot</td></tr> <tr><td>J</td><td>schwarz</td></tr> <tr><td>K</td><td>violett</td></tr> <tr><td>L</td><td>grau/rosa</td></tr> <tr><td>M</td><td>rot/blau</td></tr> </table>	A	weiß	B	braun	C	grün	D	gelb	E	grau	F	rosa	G	blau	H	rot	J	schwarz	K	violett	L	grau/rosa	M	rot/blau
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## Technical data

### Common values

Connector Design	Female cable connector
Connector locking system	screw
Termination	solder, injection-moulded cable
Wire gauge (mm)	0.25 mm <sup>2</sup>
Wire gauge (AWG)	24
Cable outlet	-
Upper temperature	70 °C
Lower temperature	-25 °C

### Cable data

material housing	PUR
Insulation single lead	PE
Single lead structure	14x0.15 mm
Cable sheath Ø	7.8
Bending radius cable fixed	78 mm
Bending radius cable movable	117 mm
Cable diameter	7.8

### 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	shielded
Degree of protection	IP67
Mechanical operation	> 500 mating cycles

### Material

Material of contact	CuSn (Bronze)
Contact plating	Au (Gold)
Material of contact body	PBT (UL 94 V-0)
Material of housing	PUR

Contacts: 12, Cable: 12 x 0.25 mm<sup>2</sup>, female cable connector, shielded