

Product data sheet

Miniature connectors



Product description	M16 IP67 cable connector, Contacts: 8 DIN, 4.0 - 8.0 mm, shielding is not possible, crimp (Crimp contacts must be ordered separately), IP68, UL, AISG compliant
Area	M16 IP67 series 423
Order number	99 5171 740 08

Illustration	Scale drawing	Contact arrangement (Plug-in side)																											
		<table border="1"> <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> <tr><td>6</td><td>2,47</td><td>-2,47</td></tr> <tr><td>7</td><td>-2,47</td><td>-2,47</td></tr> <tr><td>8</td><td>0,00</td><td>-0,70</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	6	2,47	-2,47	7	-2,47	-2,47	8	0,00	-0,70
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You can find the component part drawing and assembly instructions on the next page.

Technical data

General values

Connector design	cable connector
Connector locking system	screw
Termination	crimp (Crimp contacts must be ordered separately)
Wire gauge (mm)	see crimp contacts under accessories
Cable outlet	4.0 - 8.0 mm
Upper limit temperature	100 °C
Lower limit temperature	- 40 °C
Customs tariff number	85369010
Packaging Unit	40

Cable data

Approval 1	UL
Approval 2	AISG compliant

Electrical values

Rated current (40 °C)	5 A
Rated voltage	60 V
Rated impulse voltage	500 V
Pollution degree	1
Overvoltage category	I
Insulating material group	III
Insulation resistance	≥ 10 ¹⁰ Ω
EMC compliance	shielding is not possible
Degree of protection	IP68
	IP67
Mechanical operation	> 500 Mating cycles

Material

Contact material	depending on crimp contact (accessory)
Contact body material	PBT (UL94 V-0)
REACH SVHC	CAS 7439-92-1 (Lead)

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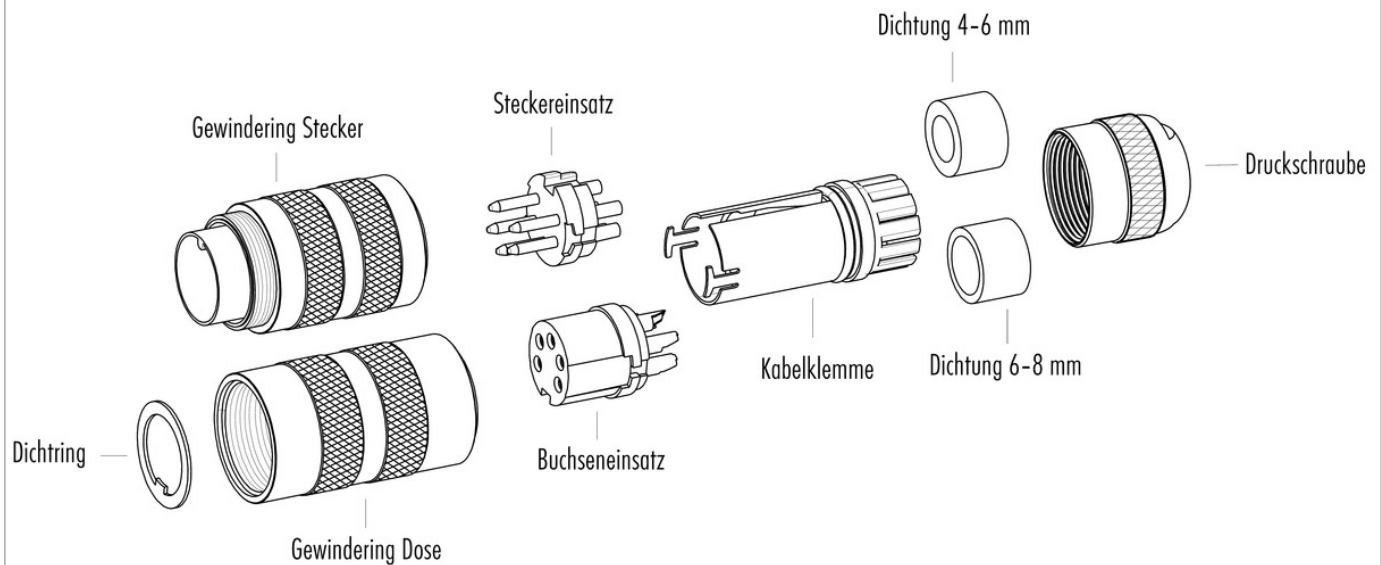
Area

M16 IP67 series 423

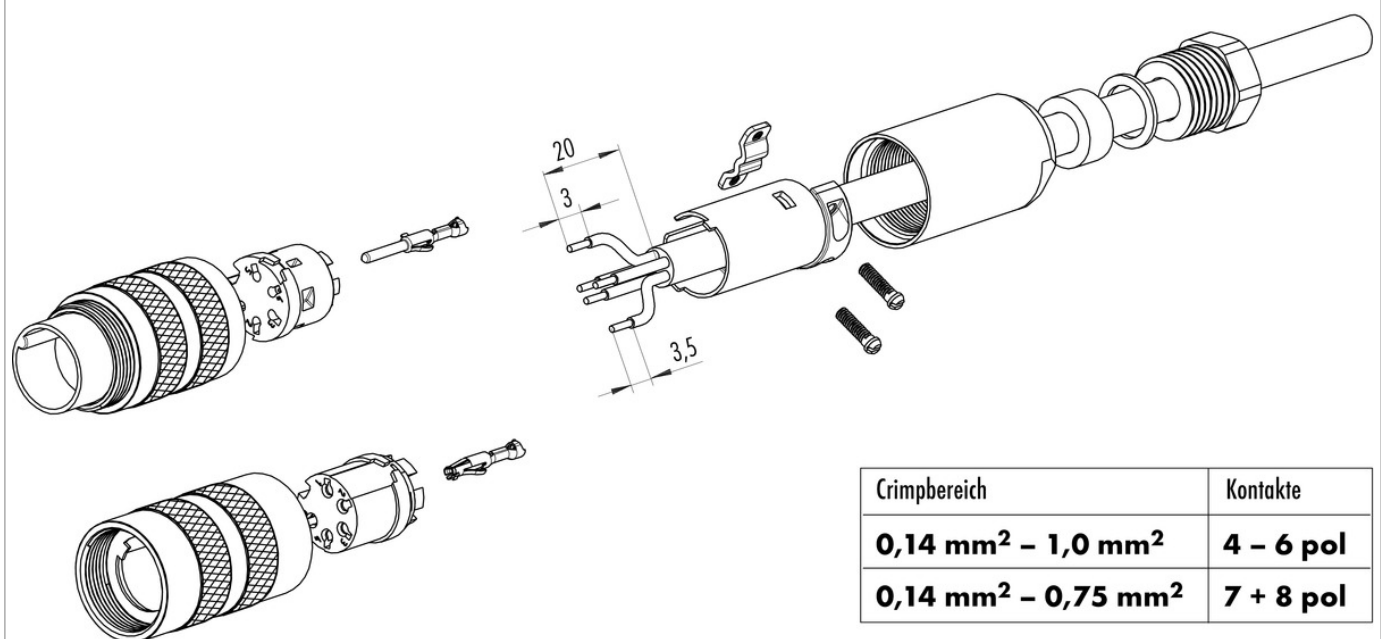
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Component part drawing



Assembly instructions / Panel cut-out



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Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).