

Product description	M12-A male panel mount connector, Contacts: 5, unshielded, solder, IP68, UL, PG9
Area	M12-A series 713
Order number	86 0131 0002 00005

Illustration	Scale drawing	Contact arrangement (Plug-in side)

You can find the assembly instructions on the next page.

Technical data

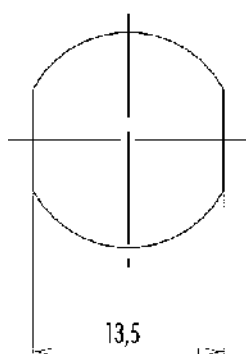
General values		Electrical values	
<p>Notice</p> <p>Connector design</p> <p>Connector locking system</p> <p>Termination</p> <p>Wire gauge (mm)</p> <p>Wire gauge (AWG)</p> <p>Upper limit temperature</p> <p>Lower limit temperature</p> <p>Customs tariff number</p>	<p>Please note that, due to the change from the old to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right.</p> <p>male panel mount connector</p> <p>screw</p> <p>solder</p> <p>0.34 mm²</p> <p>AWG 22</p> <p>85 °C</p> <p>-40 °C</p> <p>85369010</p>	<p>Rated current (40 °C)</p> <p>Rated voltage</p> <p>Rated impulse voltage</p> <p>Pollution degree</p> <p>Overvoltage category</p> <p>Insulating material group</p> <p>Insulation resistance</p> <p>EMC compliance</p> <p>Degree of protection</p> <p>Mechanical operation</p>	<p>4 A (3 A UL)</p> <p>60 V</p> <p>1500 V</p> <p>3</p> <p>II</p> <p>II</p> <p>> 10⁸ Ω</p> <p>unshielded</p> <p>IP68</p> <p>> 100 Mating cycles</p>
Material		authorization/approvals	
<p>Connector design</p> <p>Connector locking system</p> <p>Termination</p> <p>Wire gauge (mm)</p> <p>Wire gauge (AWG)</p> <p>Upper limit temperature</p> <p>Lower limit temperature</p> <p>Customs tariff number</p>		<p>Contact material</p> <p>Contact plating</p> <p>Contact body material</p> <p>Housing material</p> <p>REACH SVHC</p>	
<p>4 A (3 A UL)</p> <p>60 V</p> <p>1500 V</p> <p>3</p> <p>II</p> <p>II</p> <p>> 10⁸ Ω</p> <p>unshielded</p> <p>IP68</p> <p>> 100 Mating cycles</p>		<p>CuZn (brass)</p> <p>Au (gold)</p> <p>PA</p> <p>Zinc die-cast nickel-plated</p> <p>CAS 7439-92-1 (Lead)</p>	
<p>Approval 1</p>		<p>UL</p>	

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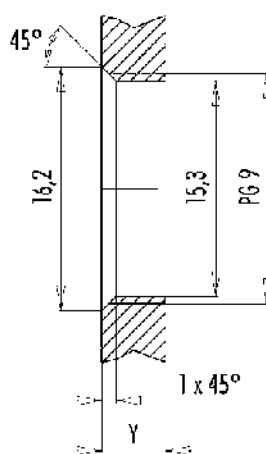
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Assembly instructions / Panel cut-out

With flats as anti-rotation device



With bore hole



Installation direction: o-ring sits on chamfer.

Tightening moment

Metall housing/Plastic housing 1,25 Nm

Thickness of wall Y (mm)		
Version	min (mm)	max (mm)
Fastened from rear	2	3,5
Front fastened	2	4,5
positioning possible ¹⁾	2	3,5
Screw clamp	2	3,5
Thread M12 x 1	2	3,0
Thread M14 x 1 ²⁾	³⁾ 1,5/ ⁴⁾ 2	6,5

Notes

- ¹⁾ Do not attach a chamfer
- ²⁾ Wall thickness:
use locknut 01-5385 up to 1,5 mm,
>1,5 mm cut thread
- ³⁾ Nut
- ⁴⁾ Thread in wall of housing

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Security notices

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Plug connectors with enclosure protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.