

Product description	M12-X adapter, Contacts: 8, Shielding looped through, IP67, UL
Area	M12-X series 876
Order number	09 5287 00 08

Illustration	Scale drawing	Contact arrangement (Plug-in side)
		<ul style="list-style-type: none"> 1 white-orange 2 orange 3 white-green 4 green 5 white-brown 6 brown 7 white-blue 8 blue <p style="text-align: right;"><i>shield on housing</i></p>

Technical data

<h3 style="color: #e91e63; margin: 0;">General values</h3> <table border="0"> <tr><td>Connector design</td><td>adapter</td></tr> <tr><td>Connector locking system</td><td>screw</td></tr> <tr><td>Upper limit temperature</td><td>85 °C</td></tr> <tr><td>Lower limit temperature</td><td>-40 °C</td></tr> <tr><td>Customs tariff number</td><td>85369010</td></tr> </table>	Connector design	adapter	Connector locking system	screw	Upper limit temperature	85 °C	Lower limit temperature	-40 °C	Customs tariff number	85369010	<h3 style="color: #e91e63; margin: 0;">Electrical values</h3> <table border="0"> <tr><td>Rated current (40 °C)</td><td>0.5 A</td></tr> <tr><td>Rated voltage</td><td>50 V AC / 60 V DC V</td></tr> <tr><td>Rated impulse voltage</td><td>800 V</td></tr> <tr><td>Pollution degree</td><td>3</td></tr> <tr><td>Overvoltage category</td><td>II</td></tr> <tr><td>Insulating material group</td><td>III</td></tr> <tr><td>Insulation resistance</td><td>> 10⁸ Ω</td></tr> <tr><td>EMC compliance</td><td>Shielding looped through</td></tr> <tr><td>Degree of protection</td><td>IP67</td></tr> <tr><td>Mechanical operation</td><td>> 100 Mating cycles</td></tr> </table>	Rated current (40 °C)	0.5 A	Rated voltage	50 V AC / 60 V DC V	Rated impulse voltage	800 V	Pollution degree	3	Overvoltage category	II	Insulating material group	III	Insulation resistance	> 10 ⁸ Ω	EMC compliance	Shielding looped through	Degree of protection	IP67	Mechanical operation	> 100 Mating cycles	<h3 style="color: #e91e63; margin: 0;">Material</h3> <table border="0"> <tr><td>Contact material</td><td>CuSn (bronze)</td></tr> <tr><td>Contact plating</td><td>Au (gold)</td></tr> <tr><td>Contact body material</td><td>PA</td></tr> <tr><td>Housing material</td><td>Brass nickel-plated, Zinc die-cast nickel-plated</td></tr> </table>	Contact material	CuSn (bronze)	Contact plating	Au (gold)	Contact body material	PA	Housing material	Brass nickel-plated, Zinc die-cast nickel-plated
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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. To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).