

Product description	M12-A female cable connector, Contacts: 3, shielded, moulded on cable, IP67, UL listed, PVC grey, 3 x 0.34 mm²
Area	M12-A series 763
Order number	77 3530 0000 20703-0200

Illustration	Scale drawing	Contact arrangement
		<p>1 braun/brown 3 blau/blue 4 schwarz/black</p>

Technical data

General 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>Packaging Unit</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>female cable connector</p> <p>screw</p> <p>moulded on cable</p> <p>0.34 mm²</p> <p>22</p> <p>90 °C</p> <p>- 25 °C</p> <p>85444290</p> <p>1</p>
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Electrical values

<p>Rated current (40 °C)</p> <p>Rated voltage</p> <p>Rated impulse voltage</p> <p>Pollution degree</p> <p>Overtoltage 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</p> <p>250 V</p> <p>2500 V</p> <p>3</p> <p>II</p> <p>II</p> <p>≥ 10¹⁰ Ω</p> <p>shielded</p> <p>IP67</p> <p>> 100 Mating cycles</p>
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Material

<p>Contact material</p> <p>Contact plating</p> <p>Contact body material</p> <p>Housing material</p>	<p>CuSn (bronze)</p> <p>Au (gold)</p> <p>PUR</p> <p>PUR</p>
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Cable data

<p>Cable length</p> <p>Sheath material</p> <p>Single-lead insulation</p> <p>Single-lead structure</p> <p>Cable diameter</p> <p>Conductor resistance</p> <p>Temperature range, moving cable, °C from</p> <p>Temperature range, moving cable, °C to</p> <p>Temperature range, fixed cable, °C from</p> <p>Temperature range, fixed cable, °C to</p> <p>Bending radius, fixed cable</p> <p>Bending radius, moving cable</p> <p>Approval 1</p>	<p>2 m</p> <p>PVC</p> <p>PVC</p> <p>42 x 0,1 mm</p> <p>5.0 mm</p> <p>57 Ω/Km (20°C)</p> <p>- 5 °C</p> <p>105 °C</p> <p>-20 °C</p> <p>105 °C</p> <p>≥ 5 x Ø</p> <p>≥ 10 x Ø</p> <p>UL listed</p>
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Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

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).