

Product description	M12-A male cable connector, Contacts: 3, unshielded, moulded on cable, IP69K, UL listed, PUR black, 3 x 0.34 mm <sup>2</sup>
Area	M12-A series 763
Order number	77 3429 0000 50003-0200

Illustration	Scale drawing	Contact arrangement (Plug-in side)
		<p>1 brown 2 not assembled 3 blue 4 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>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 cable connector</p> <p>screw</p> <p>moulded on cable</p> <p>0.34 mm<sup>2</sup></p> <p>AWG 22</p> <p>90 °C</p> <p>-25 °C</p> <p>85444290</p>
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### Cable data

<p>Cable length</p> <p>Sheath material</p> <p>Single-lead insulation</p> <p>Halogen free</p> <p>Single-lead structure</p> <p>Cable diameter</p> <p>Cable color</p> <p>Conductor resistance</p> <p>Temperature range, moving cable, °C from -25°C</p> <p>Temperature range, moving cable, °C to +80°C</p> <p>Temperature range, fixed cable, °C from -50°C</p> <p>Temperature range, fixed cable, °C to +80°C</p> <p>Bending radius, fixed cable</p> <p>Bending radius, moving cable</p> <p>UL style 1</p>	<p>2 m</p> <p>PUR</p> <p>PP9Y halogen-free</p> <p>Yes</p> <p>43x0,1 mm</p> <p>4.3 mm</p> <p>black</p> <p>60</p> <p>≥ 5 x Ø</p> <p>≥ 10 x Ø</p> <p>AWM20549</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>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</p> <p>250 V</p> <p>2500 V</p> <p>3</p> <p>II</p> <p>II</p> <p>≥ 10<sup>10</sup> Ω</p> <p>unshielded</p> <p>IP69K</p> <p>&gt; 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>Locking material</p> <p>REACH SVHC</p>	<p>CuZn (brass)</p> <p>Au (gold)</p> <p>PUR</p> <p>PUR</p> <p>Zinc die-cast nickel-plated</p> <p>Keine (No pollutants)</p>
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### authorization/approvals

<p>Approval 1</p>	<p>UL listed</p>
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## Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

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. 60 cNm).