

Product description	M12-A connecting cord, Contacts: 5, not shielded, moulded on cable, IP68, M12x1, PUR black, 5 x 0.25 mm²
Area	M12-A series 765
Order number	79 5002 20 05

Illustration	Scale drawing	Contact arrangement										
		<div style="display: flex; justify-content: space-around;"> <div> <p>Stifteinsatz M12 Male insert M12</p> </div> <div> <p>Buchseinsatz M12 Female insert M12</p> </div> </div> <div style="margin-top: 10px;"> <table border="0"> <tr><td>1</td><td>braun/brown</td></tr> <tr><td>2</td><td>weiß/white</td></tr> <tr><td>3</td><td>blau/blue</td></tr> <tr><td>4</td><td>schwarz/black</td></tr> <tr><td>5</td><td>grau/grey</td></tr> </table> </div>	1	braun/brown	2	weiß/white	3	blau/blue	4	schwarz/black	5	grau/grey
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Technical data

General values

Connector design	connecting cord
Connector locking system	screw
Termination	moulded on cable
Wire gauge (mm)	0.25 mm ²
Wire gauge (AWG)	24
Upper limit temperature	85 °C
Lower limit temperature	- 25 °C
Customs tariff number	85444290

Electrical values

Rated current (40 °C)	4 A
Rated voltage	60 V
Rated impulse voltage	1500 V
Pollution degree	3
Overvoltage category	II
Insulating material group	II
Volume resistivity	≤ 3 mΩ
EMC compliance	not shielded
Degree of protection	IP68
Mechanical operation	> 100 Mating cycles

Cable data

Cable length	2 m
Sheath material	PUR
Single-lead insulation	PVC
Single-lead structure	32 x 0,11
Cable diameter	5.0 mm
Conductor resistance	77,5Ω/Km
Temperature range, moving cable, °C from	- 5 °C
Temperature range, moving cable, °C to	70 °C
Temperature range, fixed cable, °C from	-25 °C
Temperature range, fixed cable, °C to	70 °C

Material

Contact material	Pin: CuZn (brass) / Socket: CuSn (bronze)
Contact plating	Au (gold)
Contact body material	PUR
Housing material	PUR

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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).