

Product description	<b>M12-B male panel mount connector, Contacts: 2, shielded, cable, IP68, M16x1.5, PUR purple, 1 x 2 x 0.25 mm<sup>2</sup></b>
Area	<b>M12-B series 766</b>
Order number	<b>70 4433 246 04</b>

Illustration	Scale drawing	Contact arrangement (Plug-in side)

You can find the assembly instructions on the next page.

Technical data			
<b>General values</b>		<b>Electrical values</b>	
Connector design	male panel mount connector	Rated current (40 °C)	4 A
Connector locking system	screw	Rated voltage	60 V
Termination	cable	Rated impulse voltage	1500 V
Wire gauge (mm)	0.25 mm <sup>2</sup>	Pollution degree	3
Wire gauge (AWG)	24	Overvoltage category	II
Upper limit temperature	80 °C	Insulating material group	II
Lower limit temperature	- 25 °C	Insulation resistance	> 10 <sup>8</sup> Ω
Customs tariff number	85444290	EMC compliance	shielded
Packaging Unit	50	Degree of protection	IP68
		Mechanical operation	> 100 Mating cycles
<b>Cable data</b>		<b>Material</b>	
Cable length	0,5 m	Contact material	CuZn (brass)
Sheath material	PUR	Contact plating	Au (gold)
Single-lead insulation	PE-Schaum	Contact body material	PA
Single-lead structure	19 x 0,127 mm	Housing material	Zinc die-cast nickel-plated
Cable diameter	7.8 mm	REACH SVHC	CAS 7439-92-1 (Lead)
Cable color	purple		
Conductor resistance	-		

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Assembly instructions / Panel cut-out

**M12 Fläche als Vorbildmuster**

**M12 Durchgangsbohrung**

**Anzugsdaten**

Montagekraft/Prellmoment	4,25 Nm
Montagekraft/Schraubmomentschlüssel	5,00 Nm
Montagekraft/Prellmoment	1,25 Nm

  

Leiterschicht	T (mm)	mm (mil)
Leiterschicht	2	3,5
Isolierschicht	2	1,5
Leiterschicht	2	3,5
Isolierschicht	2	1,5
Leiterschicht	2	3,5
Isolierschicht	2	1,5
Leiterschicht	2	3,5
Isolierschicht	2	1,5

**Notizen**

- \* Alle Werte sind in mm angegeben.
- \*\* Bei Bohrung bis 1,5 mm Bohrtiefe mit 0,125 mm Bohrer.
- † 1,5 mm Bohrtiefe schneiden.
- ‡ 0,125 mm Bohrer.
- § 0,125 mm Bohrer.

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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.