



General Characteristics	Standard	Value
number of contacts		4 / 8 + PE
termination technique		screw
wire gauge power contacts (wire sleeves recommended)		1,5 mm ² - 16 mm ² AWG 16 - AWG 6
wire gauge signal contacts (wire sleeves recommended)		0,5 mm ² - 2,5 mm ² AWG 20 - AWG 14
max. insulation diameter		11 mm / 4,8 mm
stripping length		14 mm / 6 mm +0,5 mm
flammability	UL 94	V-0
Electrical Characteristics	Standard	Value
rated voltage	IEC 60664-1	400 V / 400 V (UL/CSA: 600 V / 600 V)
pollution degree	IEC 60664-1	3
installation (overvoltage) category	IEC 60664-1	3
material group	IEC 60664-1	3b
rated impulse withstand voltage	IEC 60664-1	6 kV / 6 kV
rated current T _{amb} = 40 °C		80 A / 16 A
current carrying capacity	IEC 60512-5-2	see derating curve
contact resistance	IEC 60512-2-1	≤ 5 mΩ
insulation resistance	IEC 60512-3-1	≥ 10 ¹⁰ Ω
Climatical Characteristics	Standard	Value
climatic category	IEC 60068-1	40 / 125 / 21
upper temperature	IEC 60512-11-9	+125 °C
lower temperature	IEC 60512-11-10	-40 °C
Mechanical Characteristics	Standard	Value
mechanical operation	IEC 60512-9-1	≥500 mating cycles
Materials	Standard	Value
insert		PC-GF
contacts		CuZn (brass)
contact plating		Ag (silver)
color		grey

Gewicht (errechnet) / Calc WT: 148 g	Zul. Abw./Tolerances:	Maßstab / Scale: 1:1 (1:2)	A3	
Prüfmaß / Testdimension	ISO 2768-m	CUSTOMER DRAWING		
Teileindex / Partindexnumber:	DIN / ISO 13715			
Bagatelle change:	Gez. 28.08.2017	Buchseneinsatz 12-Pol socket insert 12 pole		
	Drawn PWÖELFFLE			
	Status Released			
	Gepr. 03.01.2018	M C146 10B012 100 13		
	Checked MGRIMM			
03 201700447 14.12.2017 PWÖLF	Amphenol Tuchel Industrial GmbH	Blatt / Sheet 1		
02 201700257 08.09.2017 MTOLK		1 Bl.		
Index Änderung / Description Datum / Date Name		Ers. f. / Replacement for: M-C146 10B012 100 13 Rev.01		

Alle technischen Daten wurden unter Laborbedingungen ermittelt und können im Praxisbetrieb abweichen. Es handelt sich bei den Angaben weder um Beschaffenheits- noch um Haltbarkeitsgarantien. All technical data have been measured in a laboratory environment and can be different during practical usage of the product. Any product information is for descriptive usage only and not legally binding; particularly the information does not constitute or provide any legal guarantees ("Beschaffenheitsgarantie" or "Haltbarkeitsgarantie").

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