

Characteristics

General Characteristics	Standard	Value
number of contacts		5+PE
termination technique		crimp
wire gauge		0,14 mm ² - 4 mm ² AWG 26 - AWG 12
Electrical Characteristics	Standard	Value
rated voltage	IEC 60664-1	400 V
rated voltage	UL / CSA	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
rated current T _{amb} = 40 °C		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-GF20
flammability	UL 94	V-0
contacts		CuZn (brass)
contact plating		Ag (silver)/Au (gold)
color		grey

Gewicht (errechnet) / Calc WT: 14,2 g		Zul. Abw./Tolerances:		Maßstab / Scale: 1:1		A3	
Prüfmaß / Testdimension		ISO 2768-m					
Teileindex Partindexnumber		2012		Datum/Date		Name	CUSTOMER DRAWING
		Gez.		10.10.		Bertsch	
		Drawn					Buchseneinsatz 5 Pol socket insert 5 pole
		Status: Released		Inspector: 20.01.2016 MBERT			
		Amphenol-Tuchel Electronics GmbH					M C146 10B005 500 12 1 Bl.
03 201400652 09.10.14 IM							
02 201100639 07.11.12 Ber.							Ers. f. l. Replacement for: M-C146 10B005 500 12 Rev.01
Index Änderung/Description Datum/Date Name							

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").