



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").

Characteristics

General Characteristics	Standard	Value
number of contacts		8+PE
termination technique		crimp
wire gauge		0,14 mm ² - 4 mm ² AWG 26 - AWG 12
flammability	UL 94	V-0
Electrical Characteristics	Standard	Value
rated voltage	IEC 60664-1	500 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 $T_{amb} = 40^{\circ}\text{C}$		16 A
current carrying capacity	IEC 60512-5-2	see derating curve
contact resistance	IEC 60512-2-1	$\leq 5 \text{ m}\Omega$
insulation resistance	IEC 60512-3-1	$\geq 10^{10} \Omega$
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
contacts		CuZn (brass)
contact plating		Ag (silver)/Au (gold)
color		grey

CUSTOMER DRAWING			
Gewicht (errechnet) / Calc WT : 16,6 g	Zul. Abw./Tolerances :	DIN / ISO 13715	Maßstab / Scale : 1:1 A3
Prüfmaß / Testdimension	ISO 2768-m		
Teileindex Partindexnumber	2013	Datum / Date	Name
	Gez. Drawn	25.03.	Bednarczyk
	Gepr. Checked		
Amphenol-Tuchel Electronics GmbH	M	C146 10B008 500 12	Blatt / Sheet 1 1 Bl.
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