



Characteristics

General Characteristics	Standard	Value
number of contacts		24 + PE
termination technique		crimp / PCB (in combination with PCB adapter)
wire gauge		0,14 mm <sup>2</sup> - 2,5 mm <sup>2</sup> AWG 26 - AWG 14
max. insulation diameter		3,7 mm
flammability	UL 94	V-0
Electrical Characteristics	Standard	Value
rated voltage	IEC 60664-1	250 V (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	4 kV
rated current T <sub>amb</sub> = 40 °C		10 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 <sup>10</sup> Ω
Climatical Characteristics	Standard	Value
climatic category	IEC 60068-1	40 / 125 / 10
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/ ≥2000 mating cycles with special plating
Materials	Standard	Value
insert		PC-GF
contacts		CuZn (brass)
contact plating		Ag (silver)/Au (gold)
color		grey

Gewicht (errechnet) / Calc WT: 45,4 g		Zul. Abw./Tolerances:		Maßstab / Scale: 1:1		A3	
Prüfmaß / Testdimension		ISO 2768-m		DIN / ISO 13715		CUSTOMER DRAWING	
Teileindex / Partindexnumber:		Gez. 08.08.2013		Drawn DSC-MIG		Stifteinsatz 42-Pol	
Bagatelle change:		Status Released		Gepr. 08.09.2017		pin insert 42 pole	
		Checked MGRIMM		Amphenol Tuchel Industrial GmbH		Blatt / Sheet 1	
05 201700257 30.08.2017 PWÖLF				M C146 10A042 000 9		1 Bl.	
04 201500909 25.02.2016 MTOLK				Ers. f. / Replacement for: M-C146 10A042 000 9 Rev03		NXM-V04	
Index	Änderung / Description	Datum / Date	Name				

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