



Characteristics

General Characteristics	Standard	Value
number of contacts		12
termination technique		crimp / PCB (in combination with PCB adapter)
wire gauge		0,14 mm ² - 2,5 mm ² 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	1
rated impulse withstand voltage	IEC 60664-1	4 kV
rated current T _{amb} = 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 ¹⁰ 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		PA-GF
contacts		CuZn (brass)
contact plating		Ag (silver)/Au (gold)
color		black

Gewicht (errechnet) / Calc WT: 10,3 g		Zul. Abw./Tolerances:		Maßstab / Scale: 2:1 (1:1)		A3			
Prüfmaß / Testdimension		ISO 2768-m		CUSTOMER DRAWING		Stiftmodul 12-Pol		pin module 12 pole	
Teileindex / Partindexnumber:		DIN / ISO 13715							
Bagatelle change:		Gez. 09.10.2015		Amphenol Tuchel Industrial GmbH M C146 10A012 600 15 Blatt/Sheet 1 1 Bl.		Ers. f. l. Replacement for: M-C146 10A012 500 15 Rev.01		NXM-V03	
		Drawn PWOLFFLE							
		Status Released							
		Gepr. 08.09.2017							
		Checked MGRIMM							
03	201700257	30.08.2017	PWÖLF						
02	201600736	27.10.2016	PWÖLF						
01	201500704	09.10.2015	PWÖLF						
Index	Änderung/Description	Datum/Date	Name						

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