



Amphenol heavymate
C146 10A012 100 13

80A 400V 6kV 3
16A 400V 6kV 3
UL 600V/900V

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: 141,6 g		Zul. Abw./Tolerances:		Maßstab / Scale: 1:1 (1:2)		A3			
Prüfmaß / Testdimension		ISO 2768-m		DIN / ISO 13715		CUSTOMER DRAWING			
Teileindex / Partindexnumber:									
Bagatelle change:						Stifteinsatz 12-Pol + PE pin insert 12 pole + PE			
		Gez. 28.08.2017							
		Drawn PWOLFFLE							
		Status Released				M C146 10A012 100 13			
		Gepr. 24.03.2020							
		Checked MGRIMM							
04	202000071	19.03.2020	PWÖLF	Amphenol Tuchel Industrial GmbH		Blatt / Sheet 1		1 Bl.	
03	201700447	14.12.2017	PWÖLF						
02	201700257	07.09.2017	PWÖLF						
Index	Änderung / Description	Datum / Date	Name	Ers. f. / Replacement for: M-C146 10A012 100 13 Rev.01					

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