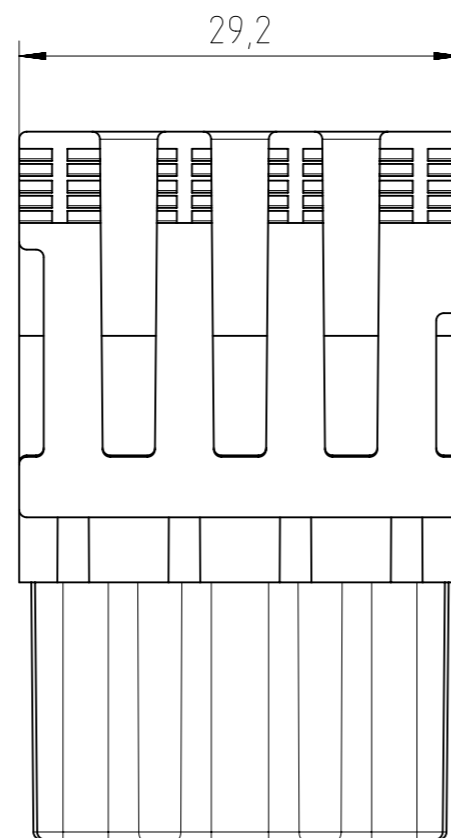
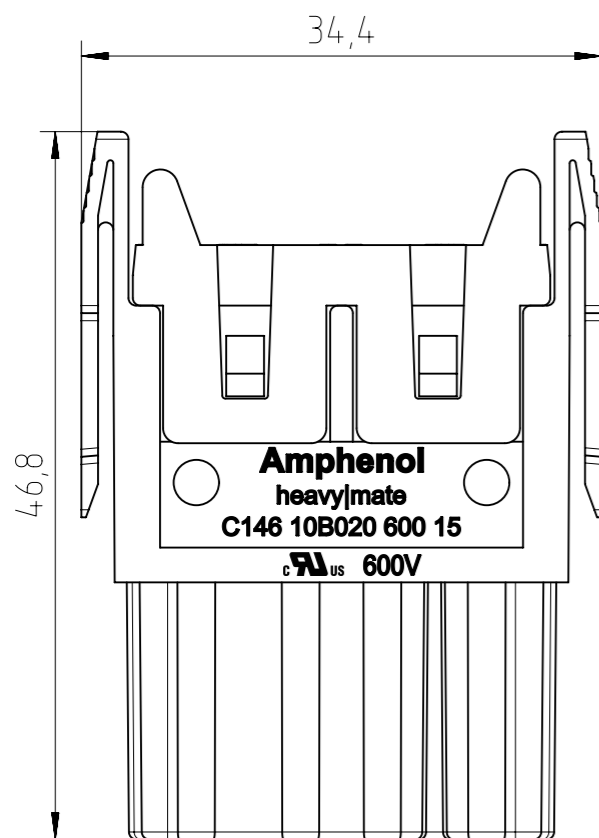
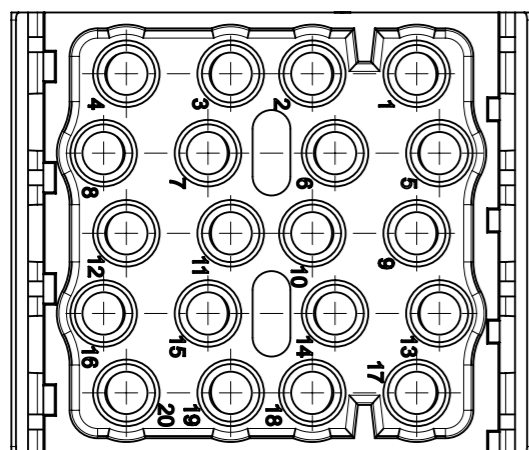
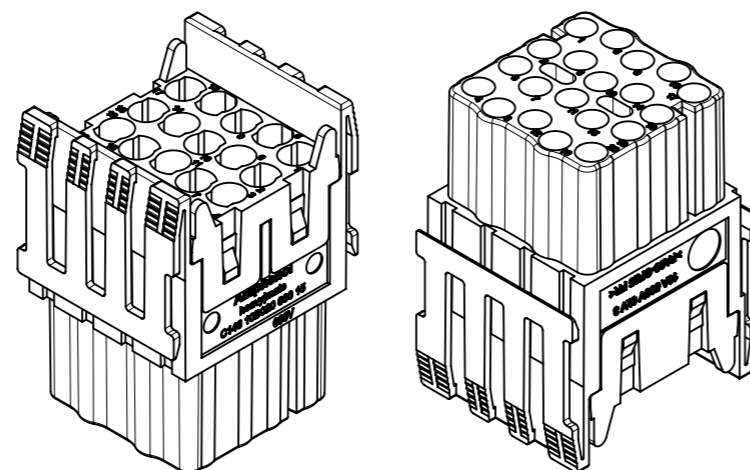


Characteristics



General Characteristics	Standard	Value
number of contacts		20
termination technique		crimp
wire gauge		0,14 mm ² - 4 mm ² AWG 26 - AWG 12
max. insulation diameter		4,6 mm
flammability	UL 94	V-0
Electrical Characteristics	Standard	Value
rated voltage	IEC 60664-1	500 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	6 kV
rated current $T_{amb} = 40\text{ °C}$		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 / 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
Materials	Standard	Value
insert		PA-GF
contacts		CuZn (brass)
contact plating		Ag (silver)/Au (gold)
color		black

Gewicht (errechnet) / Calc WT: 22,9 g		Zul. Abw./Tolerances:		Maßstab / Scale: 2:1 (1:1)		A3			
Prüfmaß / Testdimension		ISO 2768-m		DIN / ISO 13715		CUSTOMER DRAWING			
Teileindex / Partindexnumber:									
Bagatelle change:						Buchsenmodul 20-Pol socket module 20 pole			
		Gez. 09.10.2015							
		Drawn PWOLFFLE							
		Status Released							
		Gepr. 08.09.2017				M C146 10B020 600 15			
		Checked MGRIMM							
03	201700257	30.08.2017	PWÖLF	Amphenol Tuchel Industrial GmbH		Blatt / Sheet 1		1 Bl.	
02	201600736	27.10.2016	PWÖLF						
01	201500704	09.10.2015	PWÖLF						
Index	Änderung / Description	Datum / Date	Name	Ers. f. / Replacement for: M-C146 10B020 500 15 Rev.01					

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