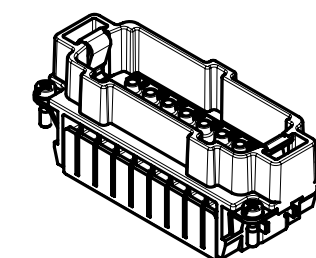
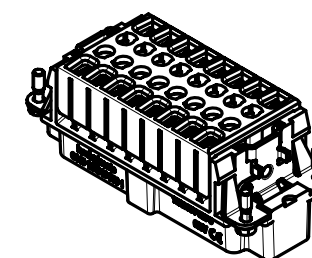
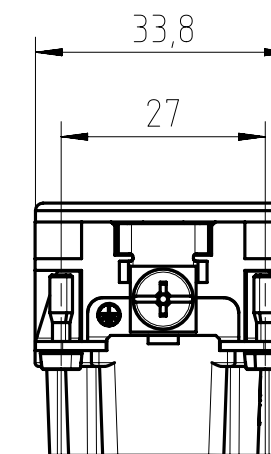
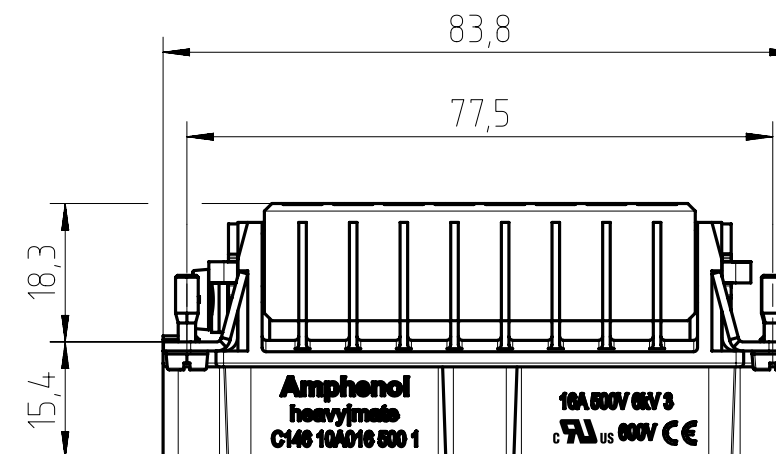
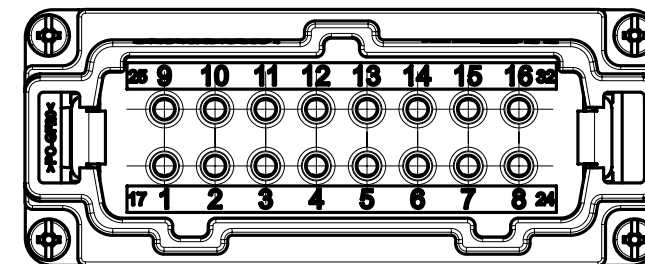


General Characteristics	Standard	Value
number of contacts		16 + PE
termination technique		crimp
wire gauge		0,14 mm ² - 4 mm ² AWG 26 - AWG 12
max. insulation diameter		4,6 mm
flammability	UL 94	V-0
Electrical Characteristics	Standard	Value
rated voltage	IEC 60664-1	500 V (UL/CSA 600 V)
pollution degree	IEC 60664-1	3
installation (overvoltage) category	IEC 60664-1	3
material group	IEC 60664-1	3a
rated impulse withstand voltage	IEC 60664-1	6 kV
rated current T _{amb} = 40 °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 / 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
contacts		CuZn (brass)
contact plating		Ag (silver) / Au (gold)
color		grey



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").

Gewicht (errechnet) / Calc WT: 55,9 g				Zul. Abw./Tolerances : ISO 2768-m		Maßstab / Scale : 1:1 (1:2)		A3		
 Prüfmaß / Testdimension						CUSTOMER DRAWING				
Teileindex / Partindexnumber:										
minor change:										
				Gez.	26.02.2015	Stifteinsatz 16-Pol + PE pin insert 16 pole + PE				
				Drawn	DSC-MIG					
				Status	Released					
				Gepr.	08.04.2025					
				Checked	MBERTSCH					
07	202500129	03.03.2025	SWAHL	Amphenol Tuchel Industrial GmbH		M	C146 10A016 500 1			Blatt/She
06	201800292	17.07.2018	PWÖLF							1
05	201600249	21.04.2016	PWÖLF							
04	201500909	04.03.2016	JHÖNN							1 Bl.
Index	Änderung / Description		Datum / Date	Name	Ers. f. / Replacement for : M-C146 10A016 500 1 Rev06					