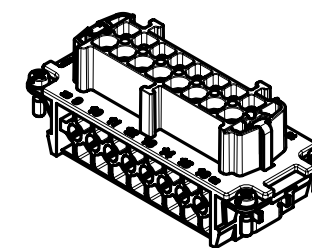
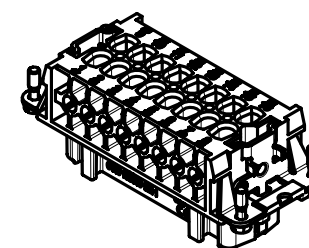
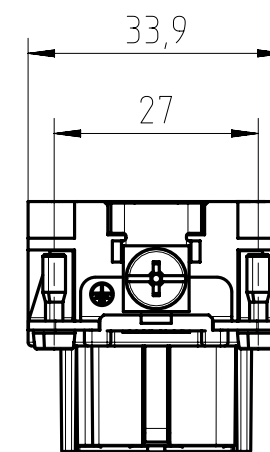
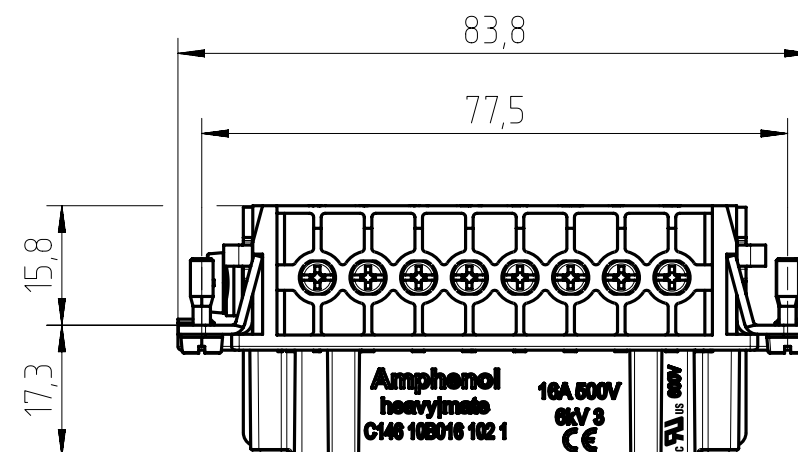
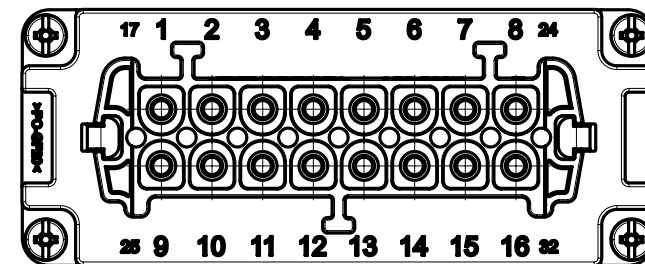


General Characteristics	Standard	Value
number of contacts		16 + PE
termination technique		screw with wire protection
wire gauge		0,5 mm ² - 2,5 mm ² AWG 20 - AWG 14
max. insulation diameter		4,6 mm
stripping length		5,5 +0,5 mm
tightening torque		0,5 Nm
flammability	UL 94	V-0
Electrical Characteristics	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 $T_{amb} = 40\text{ °C}$		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 / 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)
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: 91,8 g				Zul. Abw./Tolerances : ISO 2768-m		Maßstab / Scale : 1:1 (1:2)		A3		
Prüfmaß / Testdimension						DIN / ISO 13715				
Teileindex / Partindexnumber:										
minor change:				CUSTOMER DRAWING						
10	202500129	11.03.2025	SWAHL	Gez.	11.02.2016	Buchseneinsatz 16-Pol + PE socket insert 16 pole + PE				
09	202200027	27.02.2025	SWAHL	Drawn	JHOENNIGE2					
08	201800292	16.07.2018	PWÖLF	Status	Released					
07	201600668	12.05.2017	MBERT	Gepr.	08.04.2025					
06	201600668	15.12.2016	IMOHR	Checked	MBERTSCH	M C146 10B016 102 1				
05	201600249	21.04.2016	PWÖLF	Amphenol Tuchel Industrial GmbH						
04	201500911	11.02.2016	JHÖNN							
Index	Änderung / Description	Datum / Date	Name	Ers. f. / Replacement for : M-C146 10B016 102 1 Rev09						
Blatt / Sheet 1 1 Bl.										