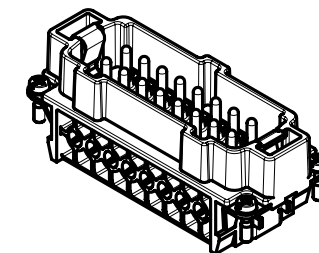
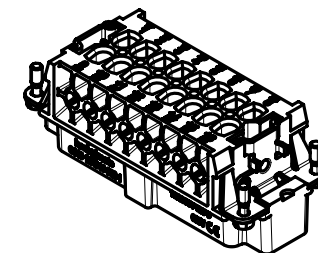
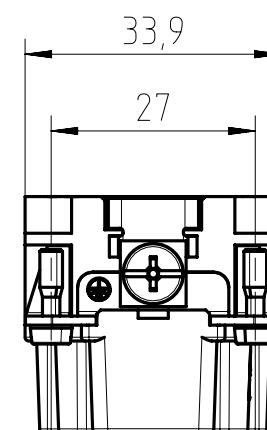
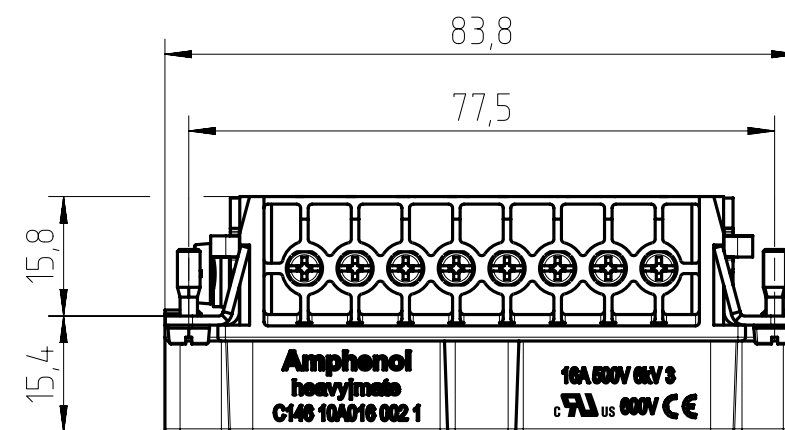
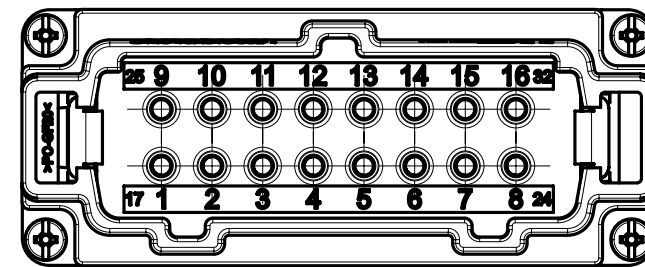


General Characteristics	Standard	Value
number of contacts		16 + PE
termination technique		screw
wire gauge		0,5 mm ² - 4 mm ² AWG 20 - AWG 12
max. insulation diameter		4,6 mm
stripping length		5,5 +0,5 mm
tightening torque		0,5 Nm
flammability	UL 94	V-0
Electrical Characteristics	Standard	Value
rated 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 $T_{amb} = 40\text{ }^{\circ}\text{C}$		16 A
current carrying capacity	IEC 60512-5-2	see derating curve
contact resistance	IEC 60512-2-1	$\leq 5\text{ m}\Omega$
insulation resistance	IEC 60512-3-1	$\geq 10^{10}\text{ }\Omega$
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: 84 g				Zul. Abw./Tolerances:		Maßstab / Scale: 1:1 (1:2)		A3	
Prüfmaß / Testdimension						DIN / ISO 13715			
Teileindex / Partindexnumber:				ISO 2768-m		CUSTOMER DRAWING			
minor change:									
				Gez.	29.05.2015	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 002 1		Blatt/ Sheet 1
06	201800292	13.07.2018	PWÖLF						
05	201600249	21.04.2016	PWÖLF						
04	201500909	04.03.2016	JHÖNN						
Index	Änderung/Description	Datum/Date	Name			Ers. f. / Replacement for: M-C146 10A016 002 1 Rev06			