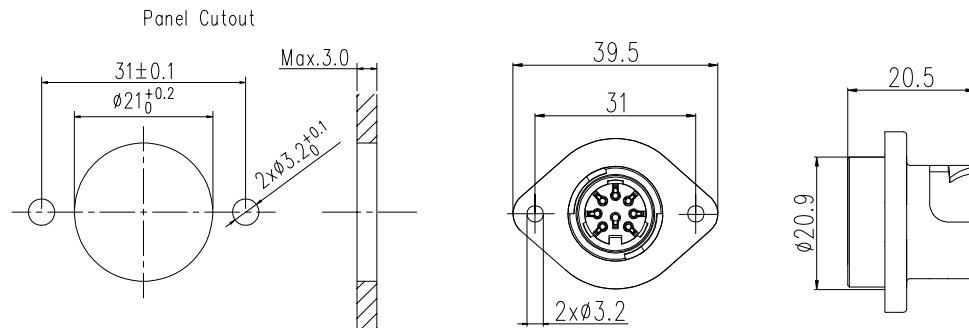
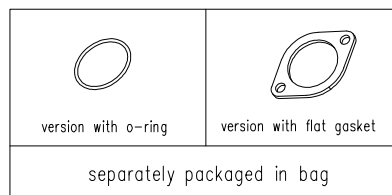


Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patenterteilung oder Gebrauchsmuster-Eintragung vorbehalten.



Sealing area must be flat and polished.
provide suitable sealing for the screws



After soldering wires on the insert with contacts, then we press it into the housing

Number of contacts	Standard	3	4	5	5	6	7	7	8	12	14	14	19
Contact arrangement	IEC 61076-2-106	03-a	04-a	05-a	05-b	06-a	07-a	07-b	08-a	12-a	14-a	14-b	19-a
Rated voltage	IEC 60664-1	150 V		100 V	32 V	100 V			32 V				
Rated impulse withstand voltage	IEC 60664-1	1500 V			800 V	1500 V			800 V				
Pollution degree ^{a)}	IEC 60664-1	3 ^{a)}											
Installation category	IEC 60664-1	I											
Insulation group	IEC 60664-1	II, 400 ≤ CTI < 600											
Current rating	IEC 60512-5-2 UL 1977	10A/+40°C		7A/+40°C						3A/+40°C			
Insulation resistance	IEC 60512-3-1	>10 ⁹ Ohm ^{a)}											
Contact resistance	IEC 60512-2-1	<5mOhm											
Climatic category	IEC 60668-1	40 / 100 / 21											
Temperatur range	IEC 60668-1	-40°C...+100°C / -40°F...+212°F											
IP degree	IEC 60529	IP67 (in mated condition)											
Insertion and withdrawal force	IEC 60512-13-2	25N	30N	35N	35N	50N	55N	55N	60N	50N	50N	50N	60N
mechanical operation	IEC 60512-9-1	≥500 mating cycles											
housing material		thermoplastic											
dielectric material		thermoplastic											
sealing material		chloroprene, silicone											
contacts		silver or gold plated											
termination technique		solder											
wire gauge		≤ 0.5 mm ² / 20 AWG								≤ 0.35mm ² / 22 AWG			
flamability		UL 94 V0											
locking system	IEC 60130-9 DIN EN 61076-2-106	Quicklock system											

²⁰ under operating conditions $>10^8$ Ohm

Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.
Remark for gold plated contacts:

In order to avoid brittle inter-metallic connections, gold plated terminals have to be tin-plated in the solder area. 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").

	19 (19-b)	Ag	C091 31T019 108 5 U	C091 31T019 106 5 U
		Au	C091 31T019 208 5 U	C091 31T019 206 5 U
	14 (14-b)	Ag	C091 31T114 108 5 U	C091 31T114 106 5 U
		Au	C091 31T114 208 5 U	C091 31T114 206 5 U
	14 (14-a)	Ag	C091 31T014 108 5 U	C091 31T014 106 5 U
		Au	C091 31T014 208 5 U	C091 31T014 206 5 U
	12 (12-a)	Ag	C091 31T012 108 5 U	C091 31T012 106 5 U
		Au	C091 31T012 208 5 U	C091 31T012 206 5 U
	8 (08-a)	Ag	C091 31T008 108 5 U	C091 31T008 106 5 U
		Au	C091 31T008 208 5 U	C091 31T008 206 5 U
	7 (07-b)	Ag	C091 31T107 108 5 U	C091 31T107 106 5 U
		Au	C091 31T107 208 5 U	C091 31T107 206 5 U
	7 (07-a)	Ag	C091 31T007 108 5 U	C091 31T007 106 5 U
		Au	C091 31T007 208 5 U	C091 31T007 206 5 U
	6 (6-a)	Ag	C091 31T006 108 5 U	C091 31T006 106 5 U
		Au	C091 31T006 208 5 U	C091 31T006 206 5 U
	5 (05-b)	Ag	C091 31T105 108 5 U	C091 31T105 106 5 U
		Au	C091 31T105 208 5 U	C091 31T105 206 5 U
	5 (05-a)	Ag	C091 31T005 108 5 U	C091 31T005 106 5 U
		Au	C091 31T005 208 5 U	C091 31T005 206 5 U
	4 (04-a)	Ag	C091 31T004 108 5 U	C091 31T004 106 5 U
		Au	C091 31T004 208 5 U	C091 31T004 206 5 U
	3 (03-a)	Ag	C091 31T003 108 5 U	C091 31T003 106 5 U
		Au	C091 31T003 208 5 U	C091 31T003 206 5 U
Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)	contact plating	part number with o-ring	part number with flat gasket

Gewicht (errechnet) / Calc WT :			Zul. Abw./Tolerances :			Maßstab / Scale :			A3			
 Prüfmäß / Testdimension			ISO 2768-C			 DIN / ISO 1375			CUSTOMER DRAWING			
Teileindex / PartIndexnumber:												
Bagatelle change:									Female receptacle Quicklock two-hole flange, solder type			
			24	Datum / Date		Name						
Gez.			28.09.			Lee						
Drawn												
Gepr.												
Checked							M C091 31TXXX XOY 5 U					
Amphenol-Tuchel Industrial GmbH												
01	CATI-202306002	28.09.24	Lee			Ers. f. / Replacement for :				Blatt / Sheet 1		
Index	Anderung / Description	Datum / Date	Name							1 BL		