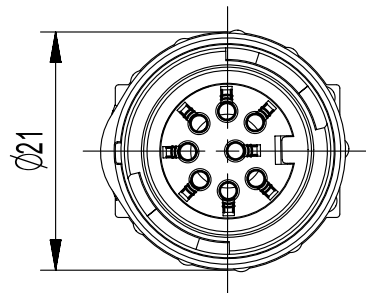
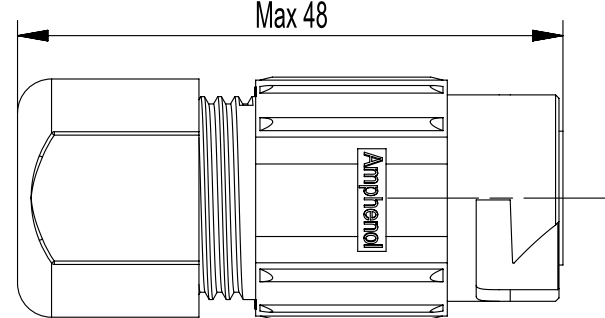
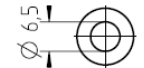
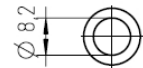
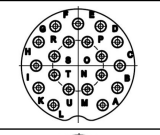
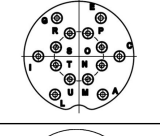
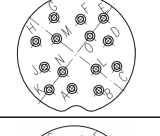
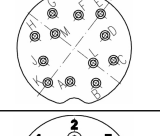
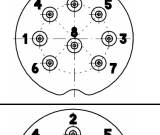
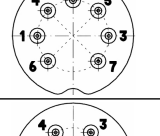
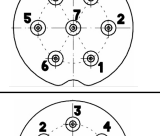
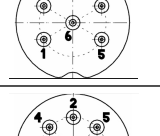
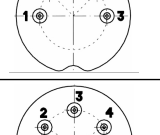
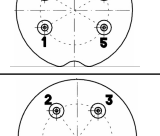
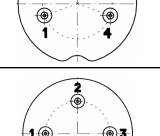


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8		7		6		5											
F																	
	cable sealings included in versions for 4-8,5mm cable diameter																
E			for 4-6mm cable diameter				for 6-8,5mm cable diameter										
	cable sealings included in versions for 8,5-10,5mm cable diameter																
D			for 8,5-9,5mm cable diameter				for 9,5-10,5mm cable diameter										
C	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		IEC 60664-1		3 ¹⁾												
	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 ¹⁰ Ohm ²⁾												
	Contact resistance		IEC 60512-2-1		< 5m Ohm												
	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		IP 68 (in mated condition)												
	Insertion and withdrawal force		IEC 60512-13-2		< 60N												
	mechanical operation		IEC 60512-9-1		Silver >500 mating cycles / Gold >1000 mating cycles												
	B	housing material		thermoplastic													
		dielectric material		thermoplastic													
		sealing material		Chloroprene													
		contacts		silver or gold plated													
		termination technique		solder													
wire gauge		≤0,5mm ² / 20 AWG										≤0,35mm ² / 22 AWG					
flamability		UL 94- VO															
locking system		IEC 61076-2-106		Quicklock System													
A	¹⁾ designed according pollution degree 2, can be used under pollution degree 3 if the rules according IEC 60664-1 are fulfilled																
	²⁾ under operating conditions > 10 ⁹ Ohm																
	All technical data have been measured in a laboratory environment and can be different during pratical usage of the product. Any product informtion is for descriptive usage only and not legally binding; particularly the information does not constitute or provide any legal guaranties.																
	Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.																
	Parts according to directive (EU)2015/863 (RoHS).																
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.																	
8		7		6		5											

		19 (19-b)	Ag	C091 31D019 100 5 U	C091 31D019 102 5 U
		14 (14-b)	Ag	C091 31D114 100 5 U	C091 31D114 102 5 U
		14 (14-a)	Ag	C091 31D014 100 5 U	C091 31D014 102 5 U
		12 (12-a)	Ag	C091 31D012 100 5 U	C091 31D012 102 5 U
		8 (08-a)	Ag	C091 31D008 100 5 U	C091 31D008 102 5 U
		7 (07-b)	Ag	C091 31D107 100 5 U	C091 31D107 102 5 U
		7 (07-a)	Ag	C091 31D007 100 5 U	C091 31D007 102 5 U
		6 (06-a)	Ag	C091 31D006 100 5 U	C091 31D006 102 5 U
		5 (05-b)	Ag	C091 31D105 100 5 U	C091 31D105 102 5 U
		5 (05-a)	Ag	C091 31D005 100 5 U	C091 31D005 102 5 U
		4 (04-a)	Ag	C091 31D004 100 5 U	C091 31D004 102 5 U
		3 (03-a)	Ag	C091 31D003 100 5 U	C091 31D003 102 5 U
Contact arrangement View on mating side		IEC 61076-2-106	contact plating	Part number for cable diameters 4-8,5mm	Part number for cable diameters 8,5-10,5mm
Calc. WT:				Tolerances:	
Testdimension				ISO 2768-c	
Partindexnumber				DIN/ISO 13715	
				24	Datum/Date
				Gez.	Name
				Drawn	29.01. Lee
				Gepr.	
				Checked	
				Amphenol-Tuchel Industrial GmbH	
01				202400055	29.01.24
Index				Description	Date
				LW	Name
				Replacement for: /	
				M	C091 31DXXX X0X 5 U
				Blatt/Sheet	
				1	
				1 BL.	