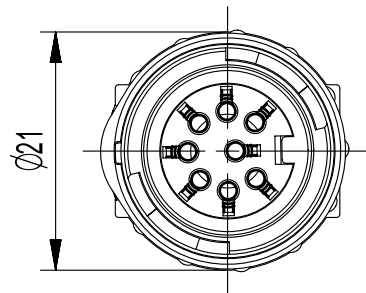
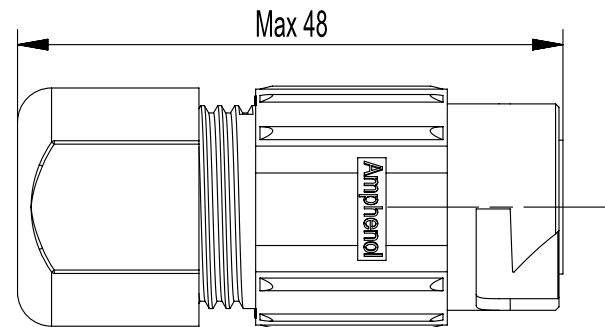
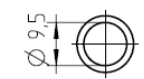
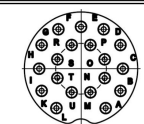
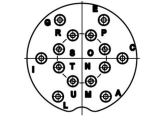
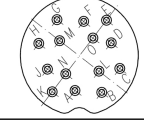
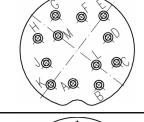
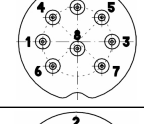
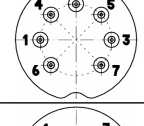
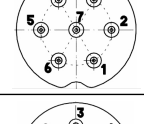
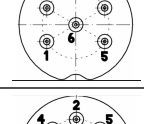
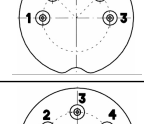
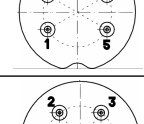
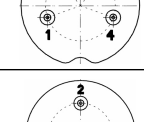
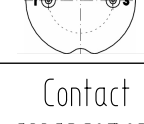


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D	<table><tr><td>Number of contacts</td><td>Standard</td><td>3</td><td>4</td><td>5</td><td>5</td><td>6</td><td>7</td><td>7</td><td>8</td><td>12</td><td>14</td><td>14</td><td>19</td></tr><tr><td>Contact arrangement</td><td>IEC 61076-2-106</td><td>03-a</td><td>04-a</td><td>05-a</td><td>05-b</td><td>06-a</td><td>07-a</td><td>07-b</td><td>08-a</td><td>12-a</td><td>14-a</td><td>14-b</td><td>19-a</td></tr><tr><td>Rated voltage</td><td>IEC 60664-1</td><td colspan="2">150 V</td><td>100 V</td><td>32 V</td><td colspan="2">100 V</td><td colspan="6">32 V</td></tr><tr><td>Rated impulse withstand voltage</td><td>IEC 60664-1</td><td colspan="3">1500 V</td><td>800 V</td><td colspan="2">1500 V</td><td colspan="6">800 V</td></tr><tr><td>Pollution degree</td><td>IEC 60664-1</td><td colspan="12">3¹⁾</td></tr><tr><td>Installation category</td><td>IEC 60664-1</td><td colspan="12">I</td></tr><tr><td>Insulation group</td><td>IEC 60664-1</td><td colspan="12">II, 400 ≤ CTI < 600</td></tr><tr><td>Current rating</td><td>IEC 60512-5-2 UL 1977</td><td colspan="2">10A/+40°C</td><td colspan="6">7A/+40°C</td><td colspan="4">3A/+40°C</td></tr><tr><td>Insulation resistance</td><td>IEC 60512-3-1</td><td colspan="12">>10¹⁰ Ohm²⁾</td></tr><tr><td>Contact resistance</td><td>IEC 60512-2-1</td><td colspan="12">< 5m Ohm</td></tr><tr><td>Climatic category</td><td>IEC 60668-1</td><td colspan="12">40 / 100 / 21</td></tr><tr><td>Temperatur range</td><td>IEC 60668-1</td><td colspan="12">-40°C...+100°C / -40°F...+212°F</td></tr><tr><td>IP degree</td><td>IEC 60529</td><td colspan="12">IP 68 (in mated condition)</td></tr><tr><td>Insertion and withdrawal force</td><td>IEC 60512-13-2</td><td colspan="12">< 60N</td></tr><tr><td>mechanical operation</td><td>IEC 60512-9-1</td><td colspan="12">Silver >500 mating cycles / Gold >1000 mating cycles</td></tr><tr><td>housing material</td><td></td><td colspan="12">thermoplastic</td></tr><tr><td>dielectric material</td><td></td><td colspan="12">thermoplastic</td></tr><tr><td>sealing material</td><td></td><td colspan="12">Chloroprene</td></tr><tr><td>contacts</td><td></td><td colspan="12">silver or gold plated</td></tr><tr><td>termination technique</td><td></td><td colspan="12">solder</td></tr><tr><td>wire gauge</td><td></td><td colspan="8">≤0.5mm² / 20 AWG</td><td colspan="4">≤0,35mm² / 22 AWG</td></tr><tr><td>flamability</td><td></td><td colspan="12">UL 94- VO</td></tr><tr><td>locking system</td><td>IEC 61076-2-106</td><td colspan="12">Quicklock System</td></tr></table>														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												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											
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	¹⁾ designed according pollution degree 2, can be used under pollution degree 3 if the rules according IEC 60664-1 are fulfilled																																																																																																																																																																																																																																																																																																																																															
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	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.																																																																																																																																																																																																																																																																																																																																															
A	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.																																																																																																																																																																																																																																																																																																																																															
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	19 (19-b)	Ag	C091 31D019 100 5 U		C091 31D019 102 5 U		
		Au	C091 31D019 200 5 U		C091 31D019 202 5 U		
	14 (14-b)	Ag	C091 31D114 100 5 U		C091 31D114 102 5 U		
		Au	C091 31D114 200 5 U		C091 31D114 202 5 U		
	14 (14-a)	Ag	C091 31D014 100 5 U		C091 31D014 102 5 U		
		Au	C091 31D014 200 5 U		C091 31D014 202 5 U		
	12 (12-a)	Ag	C091 31D012 100 5 U		C091 31D012 102 5 U		
		Au	C091 31D012 200 5 U		C091 31D012 202 5 U		
	8 (08-a)	Ag	C091 31D008 100 5 U		C091 31D008 102 5 U		
		Au	C091 31D008 200 5 U		C091 31D008 202 5 U		
	7 (07-b)	Ag	C091 31D107 100 5 U		C091 31D107 102 5 U		
		Au	C091 31D107 200 5 U		C091 31D107 202 5 U		
	7 (07-a)	Ag	C091 31D007 100 5 U		C091 31D007 102 5 U		
		Au	C091 31D007 200 5 U		C091 31D007 202 5 U		
	6 (06-a)	Ag	C091 31D006 100 5 U		C091 31D006 102 5 U		
		Au	C091 31D006 200 5 U		C091 31D006 202 5 U		
	5 (05-b)	Ag	C091 31D105 100 5 U		C091 31D105 102 5 U		
		Au	C091 31D105 200 5 U		C091 31D105 202 5 U		
	5 (05-a)	Ag	C091 31D005 100 5 U		C091 31D005 102 5 U		
		Au	C091 31D005 200 5 U		C091 31D005 202 5 U		
	4 (04-a)	Ag	C091 31D004 100 5 U		C091 31D004 102 5 U		
		Au	C091 31D004 200 5 U		C091 31D004 202 5 U		
	3 (03-a)	Ag	C091 31D003 100 5 U		C091 31D003 102 5 U		
		Au	C091 31D003 200 5 U		C091 31D003 202 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:			Scale 2:1		A3	
Testdimension				ISO 2768-c			CUSTOMER DRAWING			
Partindexnumber										
				24	Datum/Date	Name	Female cable connector Quicklock			
				Gez.	29.01	Lee				
				Drawn						
				Gepr.						
				Checked						
				Amphenol-Tuchel Industrial GmbH			M	C091 31DXXX X0X 5 U		Blatt/Sheet 1
01	202400055	29.01.24	LW							1 Bl.
Index	Description	Date	Name				Replacement for: /			