



03

Number of contacts	Standard	3	4	5	5S	6	7	7	8	12	14	
Contact arrangement	DIN EN 61076-2-106	03-a	04-a	05-a	05-b	06-a	07-a	07-b	08-a	12-a	14-a	
Contact arrangement	IEC 60130-9 <sup>1)</sup>	yes	no	yes	no	yes	no	yes	no			
Rated voltage <sup>2)</sup>	IEC 60664-1	300 V (100 V)	300 V (63 V)	100 V (32 V)	300 V (63 V)	100 V (32 V)	150 V (32 V)					
Rated voltage	UL 1977	250 V						60 V				
Rated impulse withstand voltage <sup>2)</sup>	IEC 60664-1	1500 V (840 V)	1200 V (500 V)	1500 V (840 V)	1200 V (500 V)							
Pollution degree <sup>2)</sup>	IEC 60664-1	1 (3 <sup>3)</sup> )										
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 <sup>10</sup> Ohm <sup>4)</sup>										
Contact resistance	IEC 60512-2-1	<5m Ohm										
Climatic category	IEC 60668-1	40 / 100 / 56										
Temperatur range	IEC 60668-1	-40°C...+100°C / -40°F...+212°F										
salt spray resistance	DIN IEC 60068-2-11	720h										
IP degree	IEC 60529	IP 69K / IP 67 / IP 65 (in mated condition)										
Insertion and withdrawal force	IEC 60512-13-2	25N	30N	35N	50N	55N	60N	50N				
Mechanical operation	IEC 60512-9-1	Silver ≥500 mating cycles / Gold ≥1000 mating cycles										
Housing material		brass and / or zinc die cast, nickel plated										
Dielectric material		thermoplastic										
Contacts		silver plated / gold plated										
Termination technique		solder										
wire gauge		≤ 0,5mm <sup>2</sup> / 20 AWG								≤0,35mm <sup>2</sup> /24AWG		
Flamability		UL 94 V0										
locking system	IEC 60130-9 DIN EN 61076-2-106	metal screw coupling; tightening torque 0,7 - 1,5 Nm										

<sup>1)</sup> Edition 2000-05  
<sup>2)</sup> values in brackets are according to DIN EN 61076-2-106  
<sup>3)</sup> designed acc. pollution degree 2; can be used under pollution degree 3 when the rules of IEC 60664-1 are fulfilled  
<sup>4)</sup> under operating conditions >10<sup>8</sup> 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 guaranties ("Beschaffungsgarantie" or "Haltbarkeitsgarantie").

	14 (14-a)	Ag	C091 61G014 110 2 U	C091 61G014 120 2 U	C091 61G014 130 2 U
		Au	C091 61G014 210 2 U	C091 61G014 220 2 U	C091 61G014 230 2 U
	12 (12-a)	Ag	C091 61G012 110 2 U	C091 61G012 120 2 U	C091 61G012 130 2 U
		Au	C091 61G012 210 2 U	C091 61G012 220 2 U	C091 61G012 230 2 U
	8 (08-a)	Ag	C091 61G008 110 2 U	C091 61G008 120 2 U	C091 61G008 130 2 U
		Au	C091 61G008 210 2 U	C091 61G008 220 2 U	C091 61G008 230 2 U
	7 (07-b)	Ag	C091 61G107 110 2 U	C091 61G107 120 2 U	C091 61G107 130 2 U
		Au	C091 61G107 210 2 U	C091 61G107 220 2 U	C091 61G107 230 2 U
	7 (07-a)	Ag	C091 61G007 110 2 U	C091 61G007 120 2 U	C091 61G007 130 2 U
		Au	C091 61G007 210 2 U	C091 61G007 220 2 U	C091 61G007 230 2 U
	6 (06-a)	Ag	C091 61G006 110 2 U	C091 61G006 120 2 U	C091 61G006 130 2 U
		Au	C091 61G006 210 2 U	C091 61G006 220 2 U	C091 61G006 230 2 U
	5 (05-b)	Ag	C091 61G105 110 2 U	C091 61G105 120 2 U	C091 61G105 130 2 U
		Au	C091 61G105 210 2 U	C091 61G105 220 2 U	C091 61G105 230 2 U
	5 (05-a)	Ag	C091 61G005 110 2 U	C091 61G005 120 2 U	C091 61G005 130 2 U
		Au	C091 61G005 210 2 U	C091 61G005 220 2 U	C091 61G005 230 2 U
	4 (04-a)	Ag	C091 61G004 110 2 U	C091 61G004 120 2 U	C091 61G004 130 2 U
		Au	C091 61G004 210 2 U	C091 61G004 220 2 U	C091 61G004 230 2 U
	3 (03-a)	Ag	C091 61G003 110 2 U	C091 61G003 120 2 U	C091 61G003 130 2 U
		Au	C091 61G003 210 2 U	C091 61G003 220 2 U	C091 61G003 230 2 U
Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)		a = 10,5 mm	a = 14,5 mm	a = 19,5 mm

Gewicht (errechnet) / Calc WT: 13,72 g  
 Zul. Abw./Tolerances: ISO 2768-mH  
 Prüfmäß / Testdimension  
 Teileindex / Partindexnumber:  
 Bagatelle change:  
 Maßstab / Scale: 2:1  
 A3  
**CUSTOMER DRAWING**  
 Geratedose Rückwandmontage  
 female receptacle rear mount.  
 Blatt/Sheet 1  
 1 Bl.  
**Amphenol Tuchel Industrial GmbH**  
 Ers. f. l. Replacement for: M-C091 61GXXX X10 2 U Rev.01

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