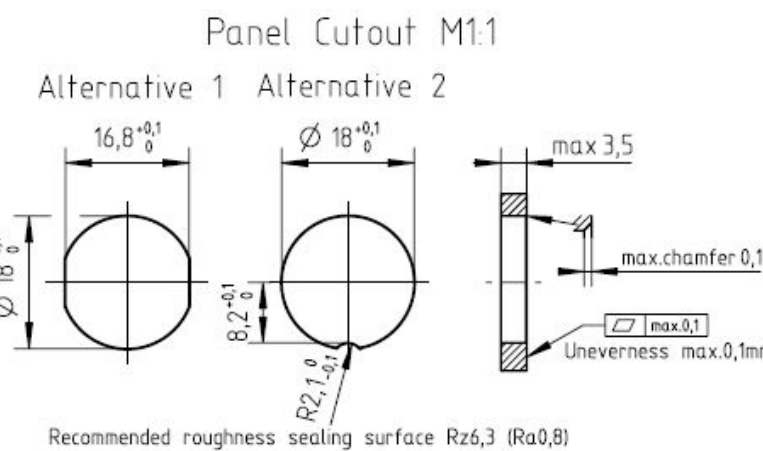
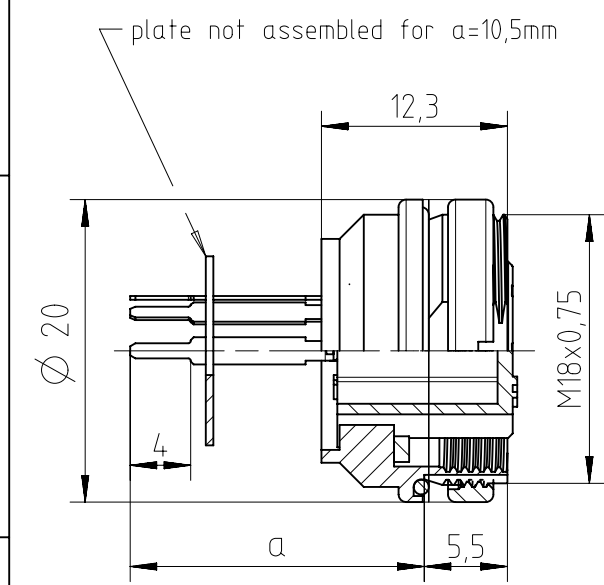


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03	Number of contacts	Standard	3	4	5	5S	6	7	7	8	12	14
	Contact arrangement	DIN EN 61076-2-106	03-a	04-a	05-a	05-b	06-a	07-a	07-b	08-a	12-a	14-a
	Contact arrangement	IEC 60130-9 ¹⁾	yes		no	yes		no	yes		no	
	Rated voltage ²⁾	IEC 60664-1	300 V (100 V)		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 ²⁾	IEC 60664-1	1500 V (840 V)			1200 V (500 V)	1500 V (840 V)		1200 V (500 V)			
	Pollution degree ²⁾	IEC 60664-1	1 (3 ³⁾)									
	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 ⁴⁾									
	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 ² / 20 AWG									≤0,35mm ² /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									

¹⁾ Edition 2000-05
²⁾ values in brackets are according to DIN EN 61076-2-106
³⁾ designed acc. pollution degree 2; can be used under pollution degree 3 when the rules of IEC 60664-1 are fulfilled
⁴⁾ under operating conditions >10⁸ 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 ("Beschaffenheitsgarantie" 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		Maßstab / Scale : 2:1		A3		
Prüfmaß / Testdimension						CUSTOMER DRAWING				
Teileindex / Partindexnumber:				 DIN / ISO 13715						
Bagatelle change:										
				Gez.	14.10.2015	Gerätedose Rückwandmontage <i>female receptacle rear mount.</i>				
				Drawn	MTOLKSDORF					
				Status	Released					
				Gepr.	21.10.2020					
				Checked	MGRIMM					
03	202000001	21.10.2020	MCARL	Amphenol Tuchel Industrial GmbH		M	C091 61GXXX XX0 2 U			Blatt/ Sheet 1
02	201500721	14.10.2015	MTOLK							1 Bl.
Index	Änderung/Description		Datum/Date	Name	Ers. f. / Replacement for : M-C091 61GXXX X10 2 U Rev.01					

FAI2020-003965
NXM-V04
Blatt / Sheet
1
1 Bl.

Mouser Electronics

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