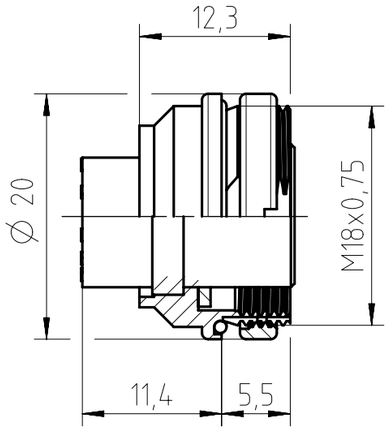
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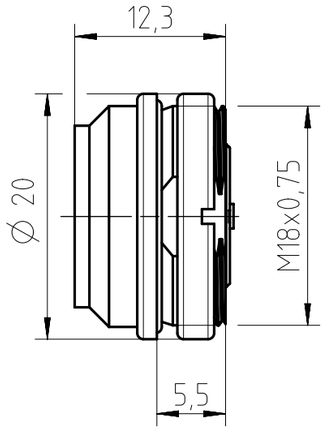
INDUSTRIAL@AMPHENOL TRUSTED GLOBALLY

Panel Cutout M1:1

Valid for contact arrangement: 05b, 07b, 08a, 12a, 14a

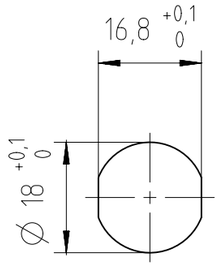


Valid for contact arrangement: 03a, 04a, 05a, 06a, 07a

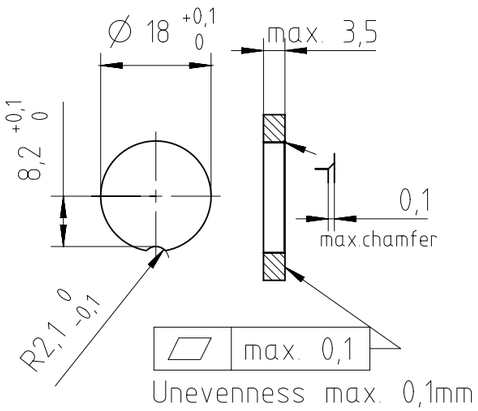


shown with ring nut

Alternative 1



Alternative 2



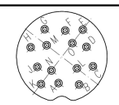
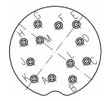
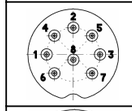
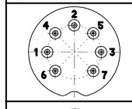
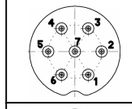
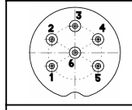
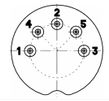
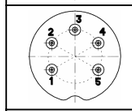
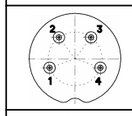
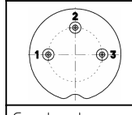
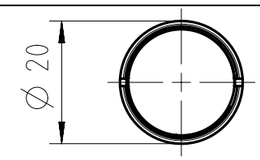
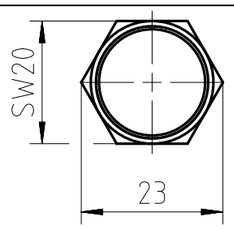
Unevenness max. 0,1mm

Recommended roughness sealing surface Rz6,3 (Ra0,8)

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]			-			-			-	
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/+104°F						3A/+40°C/+104°F	
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 or gold plated, please order contacts separately acc. to drawing M-N 02 015 00XX X (3-8pol) or M-N 02 010 0157 X U (12-14pol)									
Termination technique		crimp									
Wire gauge		2-6 pol (exclusive 5S): 0,09-1,0mm² / 28-18 AWG 5S, 7, 7S, 8pol: 0,09-0,75mm² / 28-20 AWG								0,09-0,25mm² / 28-24 AWG	
Flamability		UL 94 V0									
locking system	IEC 60130-9 DIN EN 61076-2-106	metal screw coupling; tightening torque 1,0-1,5Nm									

[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 60644-1 are fulfilled
[4] under operating conditions >10^{8} 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; particulary the information does not constitute or provide any legal guaranties. Do not connect or disconnect under load. Metal housing parts shall be securely incoporated to protected ground. Parts according to directive 2002/95/EG (RoHS).

	14 (14-a)	C091 11G014 000 2 U	C091 11G014 009 2 U
	12 (12-a)	C091 11G012 000 2 U	C091 11G012 009 2 U
	8 (08-a)	C091 11G008 000 2 U	C091 11G008 009 2 U
	7 (07-b)	C091 11G107 000 2 U	C091 11G107 009 2 U
	7 (07-a)	C091 11G007 000 2 U	C091 11G007 009 2 U
	6 (06-a)	C091 11G006 000 2 U	C091 11G006 009 2 U
	5 (05-b)	C091 11G105 000 2 U	C091 11G105 009 2 U
	5 (05-a)	C091 11G005 000 2 U	C091 11G005 009 2 U
	4 (04-a)	C091 11G004 000 2 U	C091 11G004 009 2 U
	3 (03-a)	C091 11G003 000 2 U	C091 11G003 009 2 U
Contact arrangement View on mating side	Number of contacts	type-number-crimp with ring nut	type-number-crimp with hex nut SW20
dimension of nut			

Gewicht (errechnet) / *Calc WT*:			Zul. Abw./ *Tolerances*:	Maßstab / *Scale*: 2:1;1:1 — A3
Prüfmaß / *Testdimension*			ISO 2768-c — *DIN / ISO 13715*	CUSTOMER DRAWING
Teileindex / *Partindexnumber*:				
Bagatelle change:				
			Gez. 12.03.2020	Gerätedose
			Drawn MCARLE	*female receptacle*
			Status Released	
			Gepr. 30.04.2020	
			Checked MGRIMM	
01	202000001	30.04.2020 MCARL	**Amphenol Tuchel Industrial GmbH**	M C091 11GXXX 00X 2 U — Blatt/*Sheet* 1 — 1 Bl.
Index	Änderung/ *Description*	Datum/ *Date* Name		Ers. f. / *Replacement for*: M-C091 11GXXX 000 2 Rev.02

FA12020-000920 NXM-V01

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