

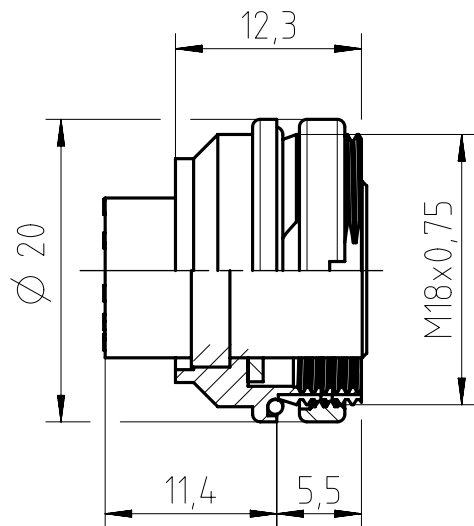
Copying of this document and giving it to others and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of the utility model or design.

Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patenterteilung oder Gebrauchsmuster-Eintragung vorbehalten.

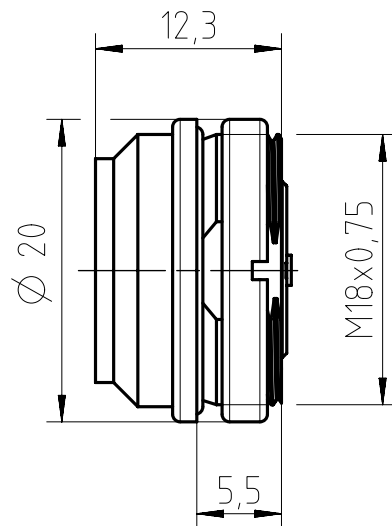
INDUSTRIAL@AMPHENOL
TRUSTED GLOBALLY

Panel Cutout M1:1

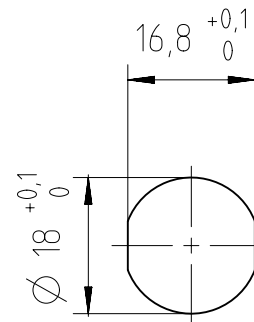
Valid for contact arrangement:
05b, 07b, 08a, 12a, 14a



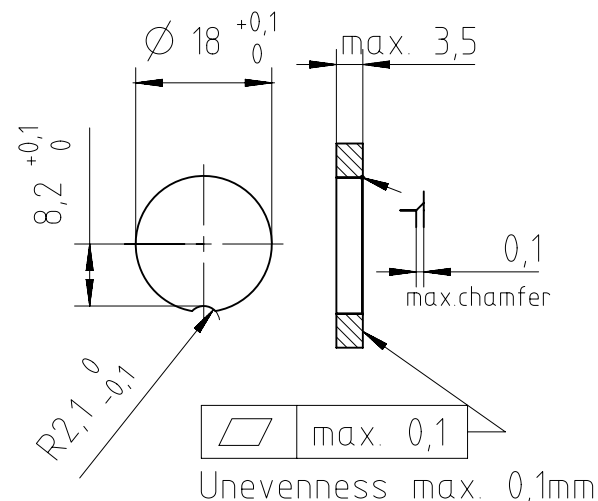
Valid for contact arrangement:
03a, 04a, 05a, 06a, 07a



Alternative 1



Alternative 2



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): 0,09-1,0mm ² / 28-18 AWG 5S, 7, 7S, 8pol: 0,09-0,75mm ² / 28-20 AWG						0,09-0,25mm ² / 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 >10⁸ Ohm

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. Do not connect or disconnect under load. Metal housing parts shall be securely incorporated 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:

Prüfmaß / Testdimension

Teileindex / Partindexnumber:

Bagatelle change:

Zul. Abw./Tolerances:

ISO 2768-c

Gez. Drawn

Status

Gepr. Checked

12.03.2020

MCARLE

Released

30.04.2020

MGRIMM

Amphenol Tuchel

Industrial GmbH

Maßstab / Scale: 2:1;1:1

A3

CUSTOMER DRAWING

Gerätedose

female receptacle

M C091 11GXXX 00X 2 U

Blatt / Sheet

1 Bl.

Ers. f. / Replacement for: M-C091 11GXXX 000 2 Rev.02

Index

Änderung / Description

Datum / Date

Name

FAI2020-000920

NXM-V01