

Further information 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.

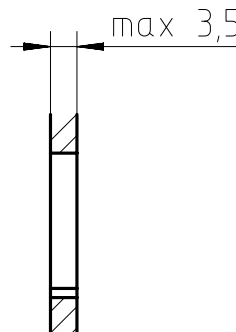
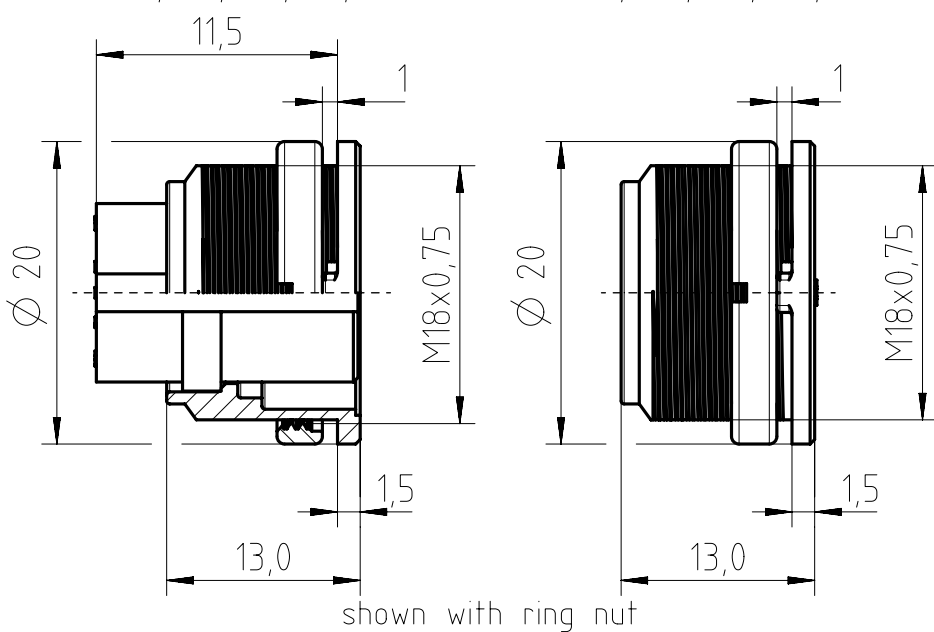
Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patenterteilung oder Gebrauchsmuster-Eintragung vorbehalten.

INDUSTRIAL@AMPHENOL
TRUSTED GLOBALLY

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

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

Panel cutout M 1:1



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 (2)										
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 ³⁾										
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										
IP degree	IEC 60529	IP 40										
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 or zinc die cast nickel plated or thermoplast										
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 1,0Nm										

¹⁾ Edition 2000-05

²⁾ values in brackets are according to DIN EN 61076-2-106

³⁾ 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)	T 3653 550 U	T 3653 559 U
	12 (12-a)	T 3638 550 U	T 3638 559 U
	8 (08-a)	T 3507 550 U	T 3507 559 U
	7 (07-b)	T 3487 550 U	T 3487 559 U
	7 (07-a)	T 3478 550 U	T 3478 559 U
	6 (06-a)	T 3403 550 U	T 3403 559 U
	5 (05-b)	T 3359 550 U	T 3359 559 U
	5 (05-a)	T 3363 550 U	T 3363 559 U
	4 (04-a)	T 3303 550 U	T 3303 559 U
	3 (03-a)	T 3263 550 U	T 3263 559 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

DIN / ISO
13715

Maßstab / Scale: 2:1;1:1

A3



CUSTOMER DRAWING

Gez. Drawn

28.04.2020

Status Released

Gepr. 30.04.2020

Checked MGRIMM

Gerätedose
female receptacle

Amphenol Tuchel Industrial GmbH

M NA T 3XXX 55X U

Blatt / Sheet
1 Bl.

01 202000001

30.04.2020

MCARL

Index Änderungs/Description

Datum/Date

Name

Ers. f. / Replacement for: M-NA T 3XXX 550 Rev02

FAI2020-001467
NXM-V01