



\* for 12,14 and 19 pol dimension is 10,0

Number of contacts	Standard	3	4	5	5	6	7	7	8	12	14	14	19	
Contact arrangement	IEC 61076-2-106	03-a	04-a	05-a	05-b	06-a	07-a	07-b	08-a	12-a	14-a	14-b	19-a	
Contact arrangement	IEC 60130-9 <sup>n</sup>	yes		no		yes		no		yes				
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	250V								60V				
Rated impulse withstand voltage <sup>2)</sup>	IEC 60664-1	1500 V (1500 V)		1200 V (800 V)		1500 V (1500 V)		1200 V (800 V)						
Pollution degree <sup>2)</sup>	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						3A/+40°C			
Insulation resistance	IEC 60512-3-1	>10 <sup>10</sup> Ohm <sup>3)</sup>												
Contact resistance	IEC 60512-2-1	<5mOhm												
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	35N	50N	55N	55N	60N	50N	50N	50N	60N	
mechanical operation	IEC 60512-9-1	Silver ≥500 mating cycles / Gold ≥1000 mating cycles												
housing material		brass and / or zinc die cast, nickel plated or thermoplast												
dielectric material		thermoplastic												
contacts		silver or gold plated												
termination technique		solder												
wire gauge		≤0,5mm <sup>2</sup> / 20 AWG						≤0,35mm <sup>2</sup> / 22 AWG						
flamability		UL 94 V0												
locking system		metal screw coupling; tightening torque 0,7 - 1,5 Nm												

Gewicht (errechnet) / Calc WT: 14,089 g
Prüfmaß / Testdimension
Teileindex / Partindexnumber:
Bagatelle change:

Zul. Abw./Tolerances:	ISO 2768-c
Gez. Drawn	11.10.2019 MCARLE
Status	Released
Gepr. Checked	10.02.2021 MBERTSCH

Maßstab / Scale: 2:1	A3	
<b>CUSTOMER DRAWING</b>		

04	202000083	05.11.2020	MCARLE
03	201900002	11.10.2019	MCARLE
Index	Änderung / Description	Datum / Date	Name

<b>Amphenol Tuchel Industrial GmbH</b>	
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Female receptacle rear mounting	
M GA T 3XXX 100+118 U	Blatt / Sheet 1
Ers. f. / Replacement for: M-GA T 3XXX 100 Rev02	

	19 (19-a)	Ag	T 3693 100 U
		Au	T 3693 118 U
	14 (14-b)	Ag	T 3673 100 U
		Au	T 3673 118 U
	14 (14-a)	Ag	T 3653 100 U
		Au	T 3653 118 U
	12 (12-a)	Ag	T 3638 100 U
		Au	T 3638 118 U
	8 (08-a)	Ag	T 3507 100 U
		Au	T 3507 118 U
	7 (07-b)	Ag	T 3487 100 U
		Au	T 3487 118 U
	7 (07-a)	Ag	T 3478 100 U
		Au	T 3478 118 U
	6 (6-a)	Ag	T 3403 100 U
		Au	T 3403 118 U
	5 (05-b)	Ag	T 3359 100 U
		Au	T 3359 118 U
	5 (05-a)	Ag	T 3363 100 U
		Au	T 3363 118 U
	4 (04-a)	Ag	T 3303 100 U
		Au	T 3303 118 U
	3 (03-a)	Ag	T 3263 100 U
		Au	T 3263 118 U
	2 (Pin 1+3)	Ag	T 3203 100 U
		Au	T 3203 118 U
<b>Contact arrangement View on mating side</b>	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)	contact plating	Part number

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NXM-V03