



* 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 ⁿ	yes		no		yes		no		yes			
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	250V								60V			
Rated impulse withstand voltage ²⁾	IEC 60664-1	1500 V (1500 V)		1200 V (800 V)		1500 V (1500 V)		1200 V (800 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						3A/+40°C			
Insulation resistance	IEC 60512-3-1	>10 ¹⁰ Ohm ³⁾											
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 ² / 20 AWG						≤0,35mm ² / 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
 DIN / ISO 13715

Maßstab / Scale: 2:1
 A3
CUSTOMER DRAWING

Gez. 11.10.2019
 Drawn MCARLE
 Status Released
 Gepr. 10.02.2021
 Checked MBERTSCH

Amphenol Tuchel Industrial GmbH

Female receptacle rear mounting

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

M GA T 3XXX 100+118 U

Ers. f. / Replacement for: M-GA T 3XXX 100 Rev02
 Blatt / Sheet 1 Bl.

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