



* max. panel thickness 1,5^{+0,25}

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 ¹⁾	yes		no		yes		no		no				
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 VO												
locking system		bayonet												

¹⁾ Edition 2000-05
²⁾ values in brackets are according to DIN EN 61076-2-106
³⁾ under operating conditions >10⁹ Ohm
 Do not connect or disconnect under load Metal housing parts shall be securely incorporated to protected ground
 Remark for gold plated contacts:
 In order to avoid brittle inter-metallic connections, gold plated terminals have to be tin-plated in the solder area.
 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 ("Beschaffungsgarantie" or "Haltbarkeitsgarantie").

	19 (19-a)	T 3687 500 U	T 3687 518 U
	14 (14-b)	T 3667 500 U	T 3667 518 U
	14 (14-a)	T 3647 500 U	T 3647 518 U
	12 (12-a)	T 3627 500 U	T 3627 518 U
	8 (08-a)	T 3527 500 U	T 3527 518 U
	7 (07-b)	T 3447 500 U	T 3447 518 U
	7 (07-a)	T 3437 500 U	T 3437 518 U
	6 (06-a)	T 3427 500 U	T 3427 518 U
	5 (05-b)	T 3397 500 U	T 3397 518 U
	5 (05-a)	T 3377 500 U	T 3377 518 U
	4 (04-a)	T 3327 500 U	T 3327 518 U
	3 (03-a)	T 3277 500 U	T 3277 518 U

Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. IEC 61076-2-106)	Part number-Ag	Part number-Au
Gewicht (errechnet) / Calc WT: 9,78 g Prüfmäß / Testdimension Teileindex / Partindexnumber: Bagatelle change:		Zul. Abw./Tolerances: ISO 2768-c DIN / ISO 13715	
Maßstab / Scale: 2:1;1:1 A3		CUSTOMER DRAWING	
Gez. 29.10.2020 Drawn MCARLE Status Released Gepr. 10.10.2022 Checked MBERTSCH		Female receptacle snap in	
01 202000083 29.10.2020 MCARLE Index Änderung/Description Datum/Date Name		Amphenol Tuchel Industrial GmbH	
Ers. f. / Replacement for:		M NB T 3XX7 500+518 U Blatt / Sheet 1 1 Bl.	

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