



\* for 12,14 and 19 pol dimension is 14 ± 0,3

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		no			
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)		60 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											

<sup>1)</sup> Edition 2000-05  
<sup>2)</sup> values in brackets are according to DIN EN 61076-2-106  
<sup>3)</sup> under operating conditions >10<sup>9</sup> 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 ("Beschaffenheitsgarantie" or "Haltbarkeitsgarantie").

	19 (19-a)	Ag	T 3693 000 U
		Au	T 3693 018 U
	14 (14-b)	Ag	T 3673 000 U
		Au	T 3673 018 U
	14 (14-a)	Ag	T 3653 000 U
		Au	T 3653 004 U
	12 (12-a)	Ag	T 3638 000 U
		Au	T 3638 004 U
	8 (08-a)	Ag	T 3507 000 U
		Au	T 3507 18 U
	7 (07-b)	Ag	T 3487 000 U
		Au	T 3487 018 U
	7 (07-a)	Ag	T 3478 000 U
		Au	T 3478 018 U
	6 (6-a)	Ag	T 3403 000 U
		Au	T 3403 018 U
	5 (05-b)	Ag	T 3363 010 U
		Au	T 3359 018 U
	5 (05-a)	Ag	T 3363 000 U
		Au	T 3363 018 U
	4 (04-a)	Ag	T 3303 000 U
		Au	T 3303 018 U
	3 (03-a)	Ag	T 3263 000 U
		Au	T 3263 018 U
	2 (Pin 1+3)	Ag	T 3203 000 U
		Au	T 3203 018 U
<b>Contact arrangement View on mating side</b>	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)	contact plating	Part number

Gewicht (errechnet) / Calc WT: 14,38 g	Zul. Abw./Tolerances:	Maßstab / Scale: 2:1;1:1	A3
Prüfmaß / Testdimension	ISO 2768-c	CUSTOMER DRAWING	
Teileindex / Partindexnumber:	DIN / ISO 13715	Female receptacle front mounting	
Bagatelle change: 23.02.2021 MCARLE	Gez. 06.11.2020	M NA T 3XXX 0XX U	
	Drawn MCARLE	Blatt / Sheet 1	
	Status Released	1 Bl.	
	Gepr. 10.02.2021	Ers. f. / Replacement for:	
	Checked MBERTSCH		
	<b>Amphenol Tuchel Industrial GmbH</b>		
02 202000083	06.11.2020 MCARLE		
Index	Änderung / Description	Datum / Date	Name

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