



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>1)</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 VO												
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 ("Beschaffensgarantie" or "Haltbarkeitsgarantie").

	19 (19-a)	Ag	T 3690 002 U
		Au	T 3690 028 U
	14 (14-b)	Ag	T 3670 002 U
		Au	T 3670 028 U
	14 (14-a)	Ag	T 3650 020 U
		Au	T 3650 002 U
	12 (12-a)	Ag	T 3635 020 U
		Au	T 3635 002 U
	8 (08-a)	Ag	T 3504 002 U
		Au	T 3504 028 U
	7 (07-b)	Ag	T 3484 002 U
		Au	T 3484 028 U
	7 (07-a)	Ag	T 3475 002 U
		Au	T 3475 028 U
	6 (6-a)	Ag	T 3400 002 U
		Au	T 3400 028 U
	5 (05-b)	Ag	T 3356 020 U
		Au	T 3356 028 U
	5 (05-a)	Ag	T 3360 002 U
		Au	T 3360 028 U
	4 (04-a)	Ag	T 3300 002 U
		Au	T 3300 028 U
	3 (03-a)	Ag	T 3260 002 U
		Au	T 3260 028 U
	2 (Pin 1+3)	Ag	T 3200 002 U
		Au	T 3200 028 U

Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)	Part number
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Gewicht (errechnet) / Calc WT: 0,027 kg	Zul. Abw./Tolerances:	Maßstab / Scale: 2:1	A3
Prüfmaß / Testdimension	ISO 2768-c	CUSTOMER DRAWING	
Teileindex / Partindexnumber:		Male cable connector	
Bagatelle change:		PG9, cable diameter 6-8mm	
Gez. Drawn: 05.02.2021	Gepr. Checked: 23.02.2021	M HA T 3XXX 002+020+028	
MCARLE	MBERTSCH	Blatt / Sheet: 1	
Amphenol Tuchel Industrial GmbH		1 Bl.	
01 202000083	05.02.2021 MCARLE	Ers. f. / Replacement for:	
Index	Änderung / Description	Datum / Date	

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