



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		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 VO											
locking system		metal screw coupling; tightening torque 0,7 - 1,5 Nm											

Gewicht (errechnet) / Calc WT: 29,581 g		Zul. Abw./Tolerances:	
Prüfmaß / Testdimension		ISO 2768-c	
Teileindex / Partindexnumber:		DIN / ISO 13715	
Bagatelle change: 22.02.2021 MCARLE		Maßstab / Scale: 2:1	
Gez. Drawn: 05.02.2021 MCARLE		A3	
Status Released		CUSTOMER DRAWING	
Gepr. Checked: 10.02.2021 MBERTSCH		Male cable connector	
Amphenol Tuchel Industrial GmbH		for cable diameter 4-6mm	
01 202000083 05.02.2021 MCARLE		M HA T 3XXX 001+010+018 U	
Index Änderung/Description Datum/Date Name		Ers. f. / Replacement for:	

	19 (19-a)	Ag	T 3690 001 U
		Au	T 3690 018 U
	14 (14-b)	Ag	T 3670 001 U
		Au	T 3670 018 U
	14 (14-a)	Ag	T 3650 001 U
		Au	T 3650 000 U
	12 (12-a)	Ag	T 3635 001 U
		Au	T 3635 000 U
	8 (08-a)	Ag	T 3504 001 U
		Au	T 3504 018 U
	7 (07-b)	Ag	T 3484 001 U
		Au	T 3484 018 U
	7 (07-a)	Ag	T 3475 001 U
		Au	T 3475 018 U
	6 (6-a)	Ag	T 3400 001 U
		Au	T 3400 018 U
	5 (05-b)	Ag	T 3356 010 U
		Au	T 3356 018 U
	5 (05-a)	Ag	T 3360 001 U
		Au	T 3360 018 U
	4 (04-a)	Ag	T 3300 001 U
		Au	T 3300 018 U
	3 (03-a)	Ag	T 3260 001 U
		Au	T 3260 018 U
	2 (Pin 1+3)	Ag	T 3200 001 U
		Au	T 3200 018 U

Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)	Part number
CUSTOMER DRAWING		
Male cable connector for cable diameter 4-6mm		
M HA T 3XXX 001+010+018 U		Blatt/Sheet 1
Ers. f. / Replacement for:		

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<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").