



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) 60 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		metal screw coupling; tightening torque 0,7 - 1,5 Nm												

Gewicht (errechnet) / Calc WT: 0,027 kg		Zul. Abw./Tolerances:	
Prüfmaß / Testdimension		ISO 2768-c	
Teileindex / Partindexnumber:		DIN / ISO 13715	
Bagatelle change:		Maßstab / Scale: 2:1	
		A3	
		Gez. Drawn: 10.12.2020 MCARLE	
		Status: Released	
		Gepr. Checked: 23.02.2021 MBERTSCH	
		Amphenol Tuchel Industrial GmbH	
01	202000083	05.02.2021	MCARLE
Index	Änderung / Description	Datum / Date	Name

	19 (19-a)	Ag	T 3690 004 U
		Au	T 3690 048 U
	14 (14-b)	Ag	T 3670 004 U
		Au	T 3670 048 U
	14 (14-a)	Ag	T 3650 024 U
		Au	T 3650 004 U
	12 (12-a)	Ag	T 3635 024 U
		Au	T 3635 004 U
	8 (08-a)	Ag	T 3504 004 U
		Au	T 3504 048 U
	7 (07-b)	Ag	T 3484 004 U
		Au	T 3484 048 U
	7 (07-a)	Ag	T 3475 004 U
		Au	T 3475 048 U
	6 (6-a)	Ag	T 3400 004 U
		Au	T 3400 048 U
	5 (05-b)	Ag	T 3356 004 U
		Au	T 3356 048 U
	5 (05-a)	Ag	T 3360 004 U
		Au	T 3360 048 U
	4 (04-a)	Ag	T 3300 004 U
		Au	T 3300 048 U
	3 (03-a)	Ag	T 3260 004 U
		Au	T 3260 048 U
	2 (Pin 1+3)	Ag	T 3200 004 U
		Au	T 3200 048 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 004+024+048

Ers. f. / Replacement for:

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 ("Beschaffensgarantie" or "Haltbarkeitsgarantie").

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