



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				
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		bayonet												

Gewicht (errechnet) / Calc WT: 23,602 g  
 Prüfmaß / Testdimension  
 Teileindex / Partindexnumber:  
 Bagatelle change: 10.05.2023 MCARLE

Zul. Abw./Tolerances:  
 ISO 2768-c  
 DIN / ISO 13715

Maßstab / Scale: 2:1  
 A3  
**CUSTOMER DRAWING**

Gez. Drawn	17.02.2023
Status	Released
Gepr. Checked	17.02.2023
	MBERTSCH
01	202300020
Index	Änderung / Description
	Datum / Date
	Name

**Amphenol Tuchel Industrial GmbH**

Male cable connector  
 for cable diameter 4-6mm  
**M HB T 3XX4 501+518 U**  
 Ers. f. / Replacement for:

	19 (19-a)	Ag	T 3684 501 U
		Au	T 3684 518 U
	14 (14-b)	Ag	T 3664 501 U
		Au	T 3664 518 U
	14 (14-a)	Ag	T 3644 501 U
		Au	T 3644 518 U
	12 (12-a)	Ag	T 3624 501 U
		Au	T 3624 518 U
	8 (08-a)	Ag	T 3524 501 U
		Au	T 3524 518 U
	7 (07-b)	Ag	T 3444 501 U
		Au	T 3444 518 U
	7 (07-a)	Ag	T 3434 501 U
		Au	T 3434 518 U
	6 (6-a)	Ag	T 3424 501 U
		Au	T 3424 518 U
	5 (05-b)	Ag	T 3394 501 U
		Au	T 3394 518 U
	5 (05-a)	Ag	T 3374 501 U
		Au	T 3374 518 U
	4 (04-a)	Ag	T 3324 501 U
		Au	T 3324 518 U
	3 (03-a)	Ag	T 3274 501 U
		Au	T 3274 518 U
	2 (Pin 1+3)	Ag	T 3254 501 U
		Au	T 3254 518 U
<b>Contact arrangement View on mating side</b>	<b>Number of contacts Contact arrangement acc. DIN EN 61076-2-106</b>	<b>contact plating</b>	<b>Part number</b>

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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").