



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		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)		
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  
 Prüfmaß / Testdimension  
 Teileindex / Partindexnumber:  
 Bagatelle change: 22.02.2021 MCARLE

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

Maßstab / Scale: 2:1  
 A3

**CUSTOMER DRAWING**

Male cable connector  
 for cable diameter 4-6mm

Gez. Drawn: 05.02.2021 MCARLE  
 Status: Released  
 Gepr. Checked: 10.02.2021 MBERTSCH

**Amphenol Tuchel Industrial GmbH**

M HA T 3XXX 001+010+018 U

01 202000083 05.02.2021 MCARLE  
 Index Änderung/Description Datum/Date Name

Ers. f. / Replacement for:  
 Blatt/Sheet: 1  
 1 Bl.

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