



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		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											

<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").

	19 (19-a)	Ag	T 3691 013 U
		Au	T 3691 038 U
	14 (14-b)	Ag	T 3671 013 U
		Au	T 3671 038 U
	14 (14-a)	Ag	T 3651 013 U
		Au	T 3651 038 U
	12 (12-a)	Ag	T 3636 013 U
		Au	T 3636 038 U
	8 (08-a)	Ag	T 3505 013 U
		Au	T 3505 038 U
	7 (07-b)	Ag	T 3485 013 U
		Au	T 3485 038 U
	7 (07-a)	Ag	T 3476 013 U
		Au	T 3476 038 U
	6 (6-a)	Ag	T 3401 013 U
		Au	T 3401 038 U
	5 (05-b)	Ag	T 3361 130 U
		Au	T 3357 038 U
	5 (05-a)	Ag	T 3361 013 U
		Au	T 3361 038 U
	4 (04-a)	Ag	T 3301 013 U
		Au	T 3301 038 U
	3 (03-a)	Ag	T 3261 013 U
		Au	T 3261 038 U
	2 (Pin 1+3)	Ag	T 3201 013 U
		Au	T 3201 038 U
<b>Contact arrangement View on mating side</b>	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)	contact plating	Part number

Gewicht (errechnet) / Calc WT: 0,027 kg	Zul. Abw./Tolerances:	Maßstab / Scale: 2:1	A3
Prüfmaß / Testdimension	ISO 2768-c	CUSTOMER DRAWING	
Teileindex / Partindexnumber:	DIN / ISO 13715	Female cable connector	
Bagatelle change:	Gez. 30.11.2020	cable diameter 4-6mm	
	Drawn MCARLE		
	Status Released		
	Gepr. 10.02.2021		
	Checked MBERTSCH		
	<b>Amphenol Tuchel Industrial GmbH</b>	M DA T 3XXX 013+130+038 U	Blatt / Sheet 1
01 202000083	30.11.2020 MCARLE	1 Bl.	
Index	Änderung / Description	Datum / Date	Name
Ers. f. / Replacement for:			

Copying of this document and giving it to others and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of the utility model or design.

Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen verpflichten zu Schadensersatz. Alle Rechte für den Fall der Patenterteilung oder Gebrauchsmuster-Eintragung vorbehalten.