



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) 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 V0												
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 ("Beschaffensgarantie" or "Haltbarkeitsgarantie").

	19 (19-a)	Ag	T 3691 005 U
		Au	T 3691 058 U
	14 (14-b)	Ag	T 3671 005 U
		Au	T 3671 058 U
	14 (14-a)	Ag	T 3651 005 U
		Au	T 3651 058 U
	12 (12-a)	Ag	T 3636 005 U
		Au	T 3636 058 U
	8 (08-a)	Ag	T 3505 005 U
		Au	T 3505 058 U
	7 (07-b)	Ag	T 3485 005 U
		Au	T 3485 058 U
	7 (07-a)	Ag	T 3476 005 U
		Au	T 3476 058 U
	6 (6-a)	Ag	T 3401 005 U
		Au	T 3401 058 U
	5 (05-b)	Ag	T 3357 005 U
		Au	T 3357 058 U
	5 (05-a)	Ag	T 3361 005 U
		Au	T 3361 058 U
	4 (04-a)	Ag	T 3301 005 U
		Au	T 3301 058 U
	3 (03-a)	Ag	T 3261 005 U
		Au	T 3261 058 U
	2 (Pin 1+3)	Ag	T 3201 005 U
		Au	T 3201 058 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: 47,98 g	Zul. Abw./Tolerances:	Maßstab / Scale: 2:1;1:1	A3
Prüfmaß / Testdimension	ISO 2768-c	CUSTOMER DRAWING	
Teileindex / Partindexnumber:	DIN / ISO 13715	Female cable connector r/a cable diameter 4-6mm	
Bagatelle change:	Gez. 06.11.2020	Blatt / Sheet 1	
	Drawn MCARLE	1 Bl.	
	Status Released	M FA T 3XXX 005+058 U	
	Gepr. 10.02.2021	Ers. f. / Replacement for:	
	Checked MBERTSCH		
	<b>Amphenol Tuchel Industrial GmbH</b>		
01 202000083	06.11.2020 MCARLE		
Index	Änderung / Description	Datum / Date	Name

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 Schadenersatz. Alle Rechte für den Fall der Patenterteilung oder Gebrauchsmuster-Eintragung vorbehalten.

FAI2020-004760 NXM-V03