



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	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 002 U
		Au	T 3691 028 U
	14 (14-b)	Ag	T 3671 002 U
		Au	T 3671 028 U
	14 (14-a)	Ag	T 3651 020 U
		Au	T 3651 002 U
	12 (12-a)	Ag	T 3636 020 U
		Au	T 3636 002 U
	8 (08-a)	Ag	T 3505 002 U
		Au	T 3505 028 U
	7 (07-b)	Ag	T 3485 002 U
		Au	T 3485 028 U
	7 (07-a)	Ag	T 3476 002 U
		Au	T 3476 028 U
	6 (6-a)	Ag	T 3401 002 U
		Au	T 3401 028 U
	5 (05-b)	Ag	T 3361 020 U
		Au	T 3357 028 U
	5 (05-a)	Ag	T 3361 002 U
		Au	T 3361 028 U
	4 (04-a)	Ag	T 3301 002 U
		Au	T 3301 028 U
	3 (03-a)	Ag	T 3261 002 U
		Au	T 3261 028 U
	2 (Pin 1+3)	Ag	T 3201 002 U
		Au	T 3201 028 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: 0,029 kg		Zul. Abw./Tolerances:		Maßstab / Scale: 2:1		A3	
Prüfmaß / Testdimension		ISO 2768-c		DIN / ISO 13715		CUSTOMER DRAWING	
Teileindex / Partindexnumber:		Gez. 02.12.2020		Drawn MCARLE		Female cable connector	
Bagatelle change: 23.02.2021 MCARLE		Status Released		Gepr. 10.02.2021		PG9, cable diameter 6-8mm	
		Checked MBERTSCH		Amphenol Tuchel Industrial GmbH		M DA T 3XXX 002+020+028	
01 202000083		08.12.2020 MCARLE		Ers. f. / Replacement for:		Blatt / Sheet 1 Bl.	
Index Änderung / Description		Datum / Date		Name		NXXM-V05 FAI2020-004404	

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