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D	Number of contacts	Standard	3	4	5	5	6	7	7	8	12	14
	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
C	Contact arrangement	IEC 60130-9 ¹⁾	yes	no	yes	no	yes	no	yes	no		
	Rated voltage ²⁾	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 ²⁾	IEC 60664-1	1500 V (1500 V)		1200 V (800 V)	1500 V (1500 V)		1200 V (800 V)				
	Pollution degree ²⁾	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 ¹⁰ Ohm ³⁾									
	Contact resistance	IEC 60512-2-1	<5mOhm									
B	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
	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, please order contacts separately acc. to drawing M-N 02 015 00XX X (3-8pol) or M-N 02 010 0158 X (12-14pol)									
	termination technique		crimp									
	wire gauge		0,09-1,0mm ²		0,09-0,75 mm ²	0,09-1,0 mm ²	0,09-0,75mm ²			0,09-0,25mm ²		
flamability		UL 94 VO										
locking system		metal screw coupling; tightening torque 0,7 - 1,5 Nm										

	14 (14-a)	T 3651 055 U
	12 (12-a)	T 3636 055 U
	8 (08-a)	T 3505 055 U
	7 (07-b)	T 3485 055 U
	7 (07-a)	T 3476 055 U
	6 (6-a)	T 3401 055 U
	5 (05-b)	T 3357 055 U
	5 (05-a)	T 3361 055 U
	4 (04-a)	T 3301 055 U
	3 (03-a)	T 3261 055 U
	2 (Pin 1+3)	T 3201 055 U
Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)	Part number

Gewicht (errechnet) / Calc WT: 47,46 g		Zul. Abw./Tolerances:		Maßstab / Scale: 2:1;1:1		A3	
Prüfmaß / Testdimension		ISO 2768-c		DIN / ISO 13715		CUSTOMER DRAWING	
Teileindex / Partindexnumber:		Gez. 15.06.2021		Drawn MCARLE			
Bagatelle change:		Status Released		Gepr. 16.06.2021		Female cable connector r/a cable diameter 4-6mm	
		Checked MBERTSCH		Amphenol Tuchel Industrial GmbH		Blatt / Sheet 1	
01 202100006		15.06.2021 MCARLE		MFA T 3XXX 055 U		1 Bl.	
Index Änderung / Description		Datum / Date		Name		Ers. f. / Replacement for:	

¹⁾ Edition 2000-05
²⁾ values in brackets are according to DIN EN 61076-2-106
³⁾ under operating conditions >10⁸ 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").

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