



D	Number of contacts	Standard	3	4	5	6	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	
	Rated voltage	IEC 60664-1	150 V		100 V	32 V	100 V		32 V						
	Rated impulse withstand voltage	IEC 60664-1	1500 V			800 V	1500 V		800 V						
C	Pollution degree	IEC 60664-1	3 ⁿ												
	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 ²⁾												
	Contact resistance	IEC 60512-2-1	<5mOhm												
	Climatic category	IEC 60668-1	40 / 100 / 21												
	Temperatur range	IEC 60668-1	-40°C...+100°C / -40°F...+212°F												
	Salt spray resistance	DIN IEC 60068-2-11, test Ka	720h												
	B	IP degree	IEC 60529	IP69K / IP 68 (in mated condition)											
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												
dielectric material			thermoplastic												
sealing material			Chloroprene												
contacts			silver or gold plated												
termination technique			solder												
		wire gauge		≤0,5mm ² / 20 AWG								≤0,35mm ² / 22 AWG			
		flamability		UL 94 V0											
	locking system	DIN EN 61076-2-106	metal screw coupling, tightening torque 0,7 - 1,5 Nm												

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 guarantees ("Beschaffungsgarantie" or "Haltbarkeitsgarantie").

Gewicht (errechnet) / Calc WT: 0,05 kg				Zul. Abw./Tolerances:		 DIN / ISO 13715	Maßstab / Scale : 2:1		A3					
Prüfmaß / Testdimension							CUSTOMER DRAWING							
Teileindex / Partindexnumber:														
Bagatelle change:				ISO 2768-c										
				Gez.	26.05.2020		Male cable connector for cable diameter 8-10,5 mm							
				Drawn	MCARLE									
				Status	Released									
				Gepr.	11.01.2021									
				Checked	MBERTSCH									
				Amphenol Tuchel Industrial GmbH			M C091 31HXXX X02 4 U					Blatt / Sheet 1		
												1 Bl.		
03	202000083	26.10.2020	MCARL				Ers. f. / Replacement for : M-C0901 31HXXX X02 4 U Rev02							
Index	Änderung / Description	Datum / Date	Name											

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