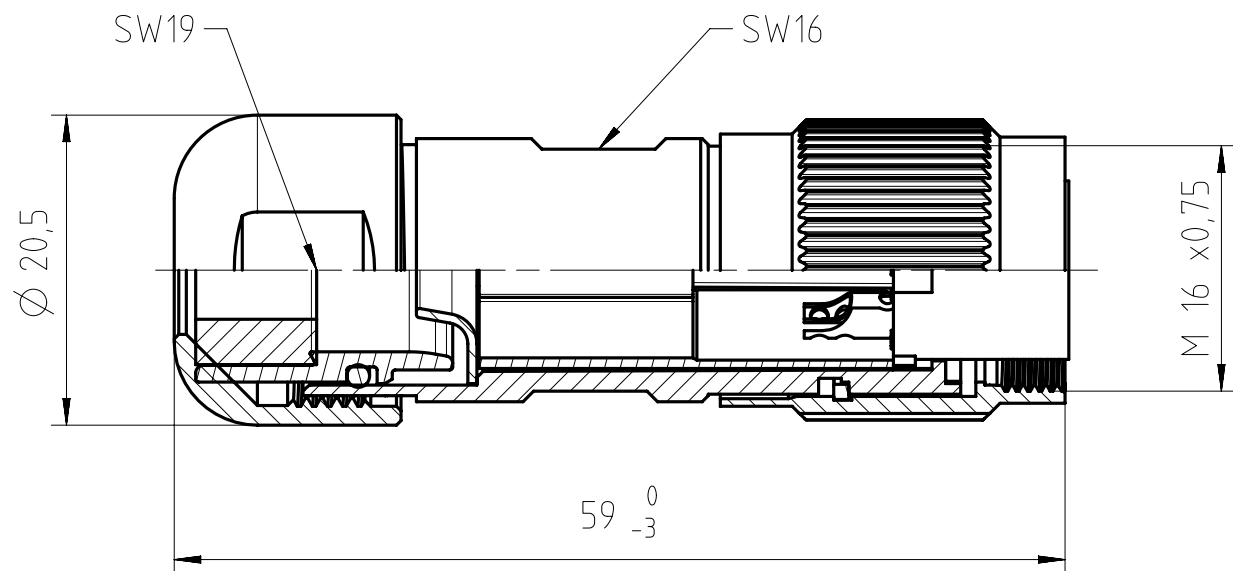


Copying of this document and giving it to others and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of the utility model or design.

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.



Assembly instruction see N 22 091 0025

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
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					
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											
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		≤0,5mm² / 20 AWG								≤0,35mm² / 22 AWG			
flamability		UL 94 V0											
locking system	DIN EN 61076-2-106	metal screw coupling; tightening torque 0,7 - 1,5 Nm											

¹⁾ designed according pollution degree 2, can be used under pollution degree 3 if the rules according IEC 60664-1 are fulfilled
²⁾ 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 ("Beschaffenheitsgarantie" or "Haltbarkeitsgarantie").

	19 (19-a)	C091 31D019 100 4 U	C091 31D019 200 4 U
	14 (14-b)	C091 31D114 100 4 U	C091 31D114 200 4 U
	14 (14-a)	C091 31D014 100 4 U	C091 31D014 200 4 U
	12 (12-a)	C091 31D012 100 4 U	C091 31D012 200 4 U
	8 (08-a)	C091 31D008 100 4 U	C091 31D008 200 4 U
	7 (07-b)	C091 31D107 100 4 U	C091 31D107 200 4 U
	7 (07-a)	C091 31D007 100 4 U	C091 31D007 200 4 U
	6 (06-a)	C091 31D006 100 4 U	C091 31D006 200 4 U
	5 (05-b)	C091 31D105 100 4 U	C091 31D105 200 4 U
	5 (05-a)	C091 31D005 100 4 U	C091 31D005 200 4 U
	4 (04-a)	C091 31D004 100 4 U	C091 31D004 200 4 U
	3 (03-a)	C091 31D003 100 4 U	C091 31D003 200 4 U
Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. IEC 61076-2-106)	Part number with silver plated contacts	Part number with gold plated contacts

Gewicht (errechnet) / Calc WT: 53 g				Zul. Abw./Tolerances: ISO 2768-c		Maßstab / Scale: 2:1		A3		
Prüfmaß / Testdimension						CUSTOMER DRAWING				
Teileindex / Partindexnumber:						Female cable connector for cable diameter 4-6 mm				
Bagatelle change:										
				Gez.	26.05.2020	M C091 31DXXX X00 4 U				
				Drawn	MCARLE					
				Status	Released					
				Gepr.	11.01.2021					
				Checked	MBERTSCH	Blatt/Sheet 1				
				Amphenol Tuchel Industrial GmbH						
03	202000083	26.10.2020	MCARL			Ers. f. / Replacement for: M-C091 31DXXX X00 4 U Rev02				
Index	Änderung/Description	Datum/Date	Name							

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[C091 31D105 100 4](#)