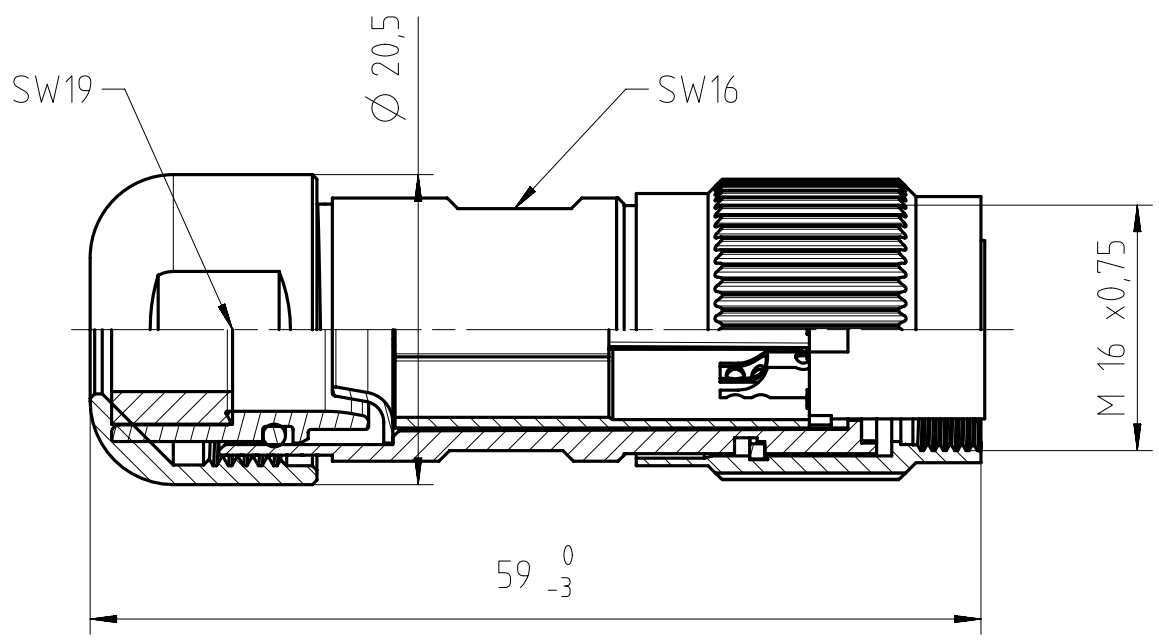


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Assembly instruction see N 22 091 0025

D	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											
C	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
	B	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											

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

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 101 4 U	C091 31D019 201 4 U
	14 (14-b)	C091 31D114 101 4 U	C091 31D114 201 4 U
	14 (14-a)	C091 31D014 101 4 U	C091 31D014 201 4 U
	12 (12-a)	C091 31D012 101 4 U	C091 31D012 201 4 U
	8 (08-a)	C091 31D008 101 4 U	C091 31D008 201 4 U
	7 (07-b)	C091 31D107 101 4 U	C091 31D107 201 4 U
	7 (07-a)	C091 31D007 101 4 U	C091 31D007 201 4 U
	6 (06-a)	C091 31D006 101 4 U	C091 31D006 201 4 U
	5 (05-b)	C091 31D105 101 4 U	C091 31D105 201 4 U
	5 (05-a)	C091 31D005 101 4 U	C091 31D005 201 4 U
	4 (04-a)	C091 31D004 101 4 U	C091 31D004 201 4 U
	3 (03-a)	C091 31D003 101 4 U	C091 31D003 201 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
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Gewicht (errechnet) / Calc WT: 0,051 kg

Prüfmaß / Testdimension

Teileindex / Partindexnumber:

Bagatelle change:

Zul. Abw./Tolerances:

ISO 2768-c

Gez. 26.05.2020

Drawn MCARLE

Status Released

Gepr. 11.01.2021

Checked MBERTSCH

Amphenol Tuchel Industrial GmbH

Maßstab / Scale: 2:1 2:1

A3

CUSTOMER DRAWING

Female cable connector
for cable diameter 6-8 mm

M C091 31DXXX X01 4 U

Ers. f. l. Replacement for: M-C091 31DXXX X01 4 U Rev02

Index

Änderung / Description

Datum / Date

Name

03

202000083

26.10.2020

MCARL

Blatt / Sheet

1

1 Bl.

FAI2020-001721

NXM-V02

Mouser Electronics

Authorized Distributor

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