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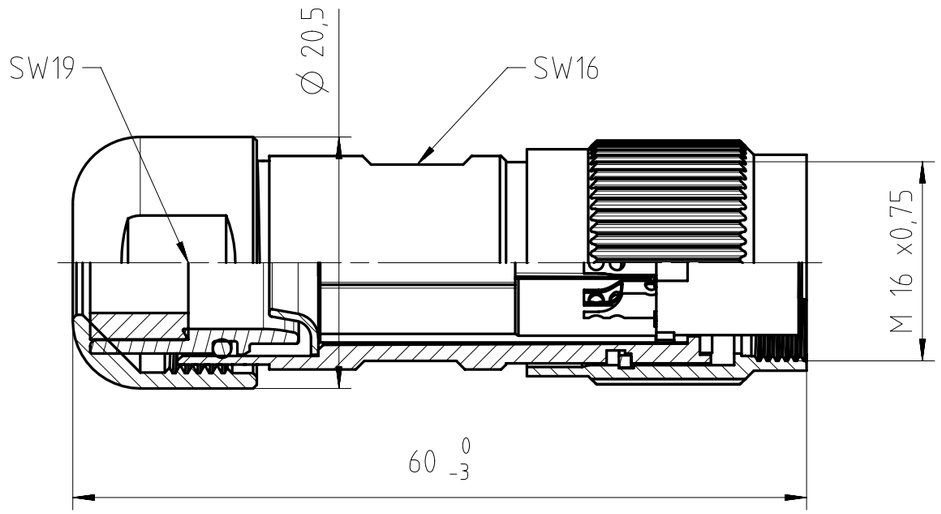
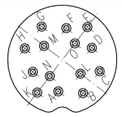
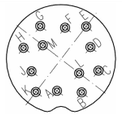
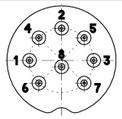
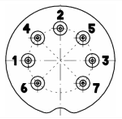
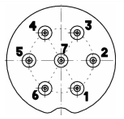
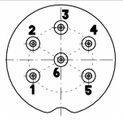
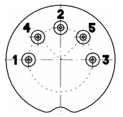
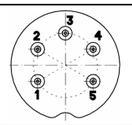
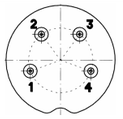
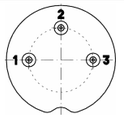


02 Assembly instruction see N 22 091 0025

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
Rated voltage	IEC 60664-1	150 V		100 V	32 V	100 V		32 V			
Rated impulse withstand voltage	IEC 60664-1	2500 V		1500 V	800 V	1500 V		800 V			
Pollution degree	IEC 60664-1	3[1]									
Installation category	IEC 60664-1	III									
Insulation group	IEC 60664-1	II									
Current rating	IEC 60512-5-3	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		-40°C...+100°C									
IP degree	IEC 60529	IP 68									
Insertion and withdrawal force	IEC 60512-13-2	25N	30N	35N	35N	50N	55N	55N	60N	50N	50N
mechanical operation	IEC 60512-9-1	≥500									
material housing		Zinc die cast, nickel plated									
dielectric material		Thermoplast									
sealing material		Chloroprene									
contacts		silver or gold plated									
termination technique		solder									
wire gauge		≤0,5mm²								≤0,35mm²	
flamability		UL 94 V0									
locking system		metal screw coupling; tightening torque 0,5 - 0,7Nm									

[1] under operating conditions >10^8 Ohm
[2] designed according pollution degree 2, can be used under pollution degree 3 if the rules according IEC 60664-1 are fulfiled

Do not connect or disconnect under load. Metal housing parts shall be securely incoporated to protected ground.
Reamrk 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 pratical usage of the product. Any product informtion is for descriptive usage only and not legally binding; particulary the information does not constitute or provide any legal guaranties ("Beschaffenheitsgarantie" or " Haltbarkeitsgarantie").

	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

Index	Änderung / Description	Datum / Date	Name
02	201300837	04.12.13	IM
01	201300382	02.07.13	CM

Gewicht (errechnet) / Calc WT : g
Prüfmaß / Testdimension
Teileindex
Partindexnumber

Zul. Abw. / Tolerances :
DIN / ISO 13715

	Datum / Date	Name
2013		
Gez. / Drawn	24.06.	Carle
Gepr. / Checked		i.A. G.

Amphenol-Tuchel Electronics GmbH

Maßstab / Scale : 2:1 | A3

Material:
Oberfläche:

female cable connector
for cable diameters 6-8mm

M | C091 31DXXX X01 4 U

Blatt / Sheet 1 | 1 Bl.

Ers. f. / Replacement for :

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