



Ⓜ 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 ⁿ											
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		≤0,5mm ²					≤0,35mm ²						
flamability		UL 94 V0											
locking system		metal screw coupling; tightening torque 0,5 - 0,7Nm											

¹⁾ under operating conditions >10⁸ Ohm
²⁾ designed according pollution degree 2, can be used under pollution degree 3 if the rules according IEC 60664-1 are fulfilled
 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 ("Beschaffungsgarantie" or "Haltbarkeitsgarantie").

	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: g		Zul. Abw./Tolerances:	
Prüfmaß / Testdimension		Maßstab / Scale: 2:1	
Teileindex		Material: A3	
Partindexnumber		Oberfläche:	
DIN / ISO 13715		Material: female cable connector	
2013		for cable diameters 4-6mm	
Gez. 24.06.		Name Carle	
Drawn			
Gepr.			
Checked			
02 201300837 04.12.13 IM		Amphenol-Tuchel Electronics GmbH	
01 201300382 02.07.13 CM		M C091 31DXXX X00 4 U	
Index Änderung/Description Datum/Date Name		Blatt/Sheet 1	
		1 Bl.	
		Ers. f. / Replacement for:	

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