



② 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 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

Gewicht (errechnet) / Calc WT: g		Zul. Abw./Tolerances:		Maßstab / Scale: 2:1		A3			
Prüfmaß / Testdimension		DIN / ISO 13715		Material: female cable connector		Oberfläche: for cable diameters 6-8mm		Blatt / Sheet 1	
Teileindex Partindexnumber		Date / Datum: 24.06.		Name: Carle		Ers. f. / Replacement for:		M C091 31DXXX X01 4 U	
2013		Gez. / Drawn		Gep. / Checked		Amphenol-Tuchel Electronics GmbH		1 Bl.	
02 201300837 04.12.13 IM		01 201300382 02.07.13 CM		Index		Änderung / Description		Datum / Date	

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