



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 <sup>n</sup>										
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 <sup>10</sup> Ohm <sup>2)</sup>										
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 <sup>2</sup>					≤0,35mm <sup>2</sup>					
flamability		UL 94 V0										
locking system		metal screw coupling; tightening torque 0,5 - 0,7Nm										

<sup>1)</sup> under operating conditions >10<sup>8</sup> Ohm  
<sup>2)</sup> 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 102 4 U	C091 31D014 202 4 U
	12 (12-a)	C091 31D012 102 4 U	C091 31D012 202 4 U
	8 (08-a)	C091 31D008 102 4 U	C091 31D008 202 4 U
	7 (07-b)	C091 31D107 102 4 U	C091 31D107 202 4 U
	7 (07-a)	C091 31D007 102 4 U	C091 31D007 202 4 U
	6 (06-a)	C091 31D006 102 4 U	C091 31D006 202 4 U
	5 (05-b)	C091 31D105 102 4 U	C091 31D105 202 4 U
	5 (05-a)	C091 31D005 102 4 U	C091 31D005 202 4 U
	4 (04-a)	C091 31D004 102 4 U	C091 31D004 202 4 U
	3 (03-a)	C091 31D003 102 4 U	C091 31D003 202 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: Oberfläche:		female cable connector for cable diameters 8-10,5			
Teileindex		Datei / Date		Name					
Partindexnumber		Gez. 17.05.		Carle					
		Gepr.							
		Checked							
02	201300837	04.12.13	IM	<b>Amphenol-Tuchel Electronics GmbH</b>		M C091 31DXXX X02 4 U		Blatt / Sheet 1	
01	201300382	02.07.13	CM					1 Bl.	
Index	Änderung / Description	Datum / Date	Name	Ers. f. / Replacement for:					

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