



© Assembly instruction see N 22 091 0023

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					
Rated impulse withstand voltage	IEC 60664-1	2500 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>9</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  
 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 ("Beschaffensgarantie" or "Haltbarkeitsgarantie").  
 Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground

	14 (14-a)	C091 31H014 100 4 U	C091 31H014 200 4 U
	12 (12-a)	C091 31H012 100 4 U	C091 31H012 200 4 U
	8 (08-a)	C091 31H008 100 4 U	C091 31H008 200 4 U
	7 (07-b)	C091 31H107 100 4 U	C091 31H107 200 4 U
	7 (07-a)	C091 31H007 100 4 U	C091 31H007 200 4 U
	6 (06-a)	C091 31H006 100 4 U	C091 31H006 200 4 U
	5 (05-b)	C091 31H105 100 4 U	C091 31H105 200 4 U
	5 (05-a)	C091 31H005 100 4 U	C091 31H005 200 4 U
	4 (04-a)	C091 31H004 100 4 U	C091 31H004 200 4 U
	3 (03-a)	C091 31H003 100 4 U	C091 31H003 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:	Maßstab / Scale: 2:1	A3	
Prüfmaß / Testdimension		Material: Oberfläche:		
Teilindex Partindexnumber		male cable connector <input checked="" type="checkbox"/> cable diameters 4-6mm		
	2013 Datum/Date	Name		
	Gez. Drawn	24.06.	Carle	
	Status: Released	Inspector: 26.05.2020 MBERT		
02	201300837	04.12.13	IM	<b>Amphenol-Tuchel Electronics GmbH</b>
01	201300382	02.07.13	CM	M C091 31HXXX X00 4 U
Index	Änderung/Description	Datum/Date	Name	Ers. f. / Replacement for: <input checked="" type="checkbox"/>

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