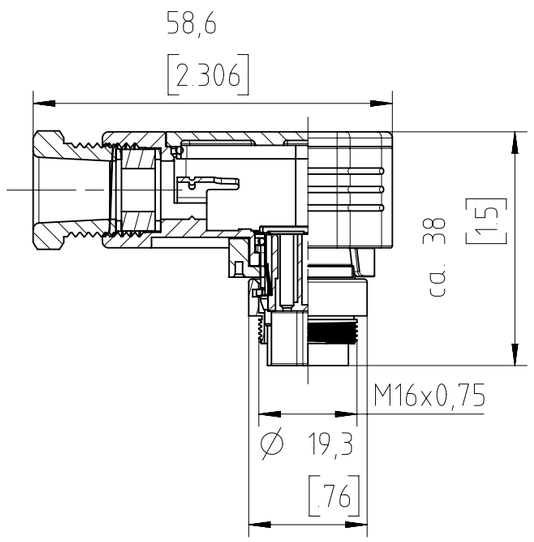
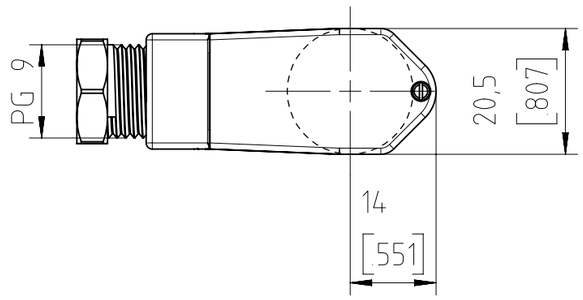
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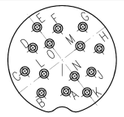
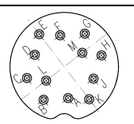
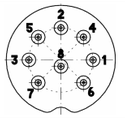
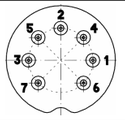
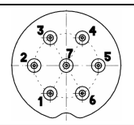
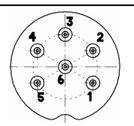
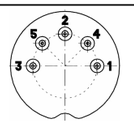
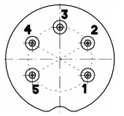
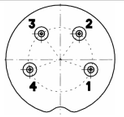
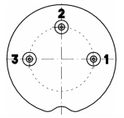




Number of contacts	Standard	3	4	5	5S	6	7	7	8	12	14
Contact arrangement	DIN EN 61076-2-106	03-a	04-a	05-a	05-b	06-a	07-a	07-b	08-a	12-a	14-a
Contact arrangement	IEC 60130-9[1]			-			-			-	
Rated voltage[2]	IEC 60664-1	300 V (100 V)		300 V (63 V)	100 V (32 V)	300 V (63 V)		100 V (32 V)		150 V (32 V)	
Rated voltage	UL 1977	250 V								60 V	
Rated impulse withstand voltage[2]	IEC 60664-1	1500 V (840 V)			1200 V (500 V)	1500 V (840 V)		1200 V (500 V)			
Pollution degree[2]	IEC 60664-1	1 (3[3])									
Installation category	IEC 60664-1	I									
Insulation group	IEC 60664-1	II, 400 ≤ CTI < 600									
Current rating	IEC 60512-5-2 UL 1977	7A/+40°C/+104°F		10A/+40°C/+104°F						3A/+40°C/+104°F	
Insulation resistance	IEC 60512-3-1	>10^{10} Ohm[4]									
Contact resistance	IEC 60512-2-1	<5m Ohm									
Climatic category	IEC 60668-1	40 / 100 / 56									
Temperatur range	IEC 60668-1	-40°C...+100°C / -40°F...+212°F									
salt spray resistance	DIN IEC 60068-2-11	720h									
IP degree	IEC 60529	IP 69K / IP 67 / IP 65 (in mated condition)									
Insertion and withdrawal force	IEC 60512-13-2	25N	30N	35N		50N	55N		60N	50N	
Mechanical operation	IEC 60512-9-1	silver ≥500 mating cycles gold ≥1000 mating cycles									
Housing material		brass and / or zinc die cast, nickel plated									
Dielectric material		thermoplastic									
Contacts		silver or gold plated, please order contacts separately acc. to drawing M-N 01 015 00XX X (3-8pol) or M-N 01 010 0157 X U (12-14pol)									
Termination technique		crimp									
Wire gauge		2-6 pol (exclusive 5S): 0,09-1,0mm² / 28-18 AWG 5S, 7, 7S, 8pol: 0,09-0,75mm² / 28-20 AWG								0,09-0,25mm² / 28-24 AWG	
Flamability		UL 94 V0									
locking system	IEC 60130-9 DIN EN 61076-2-106	metal screw coupling; tightening torque 1-1,5Nm									

[1] Edition 2000-05
[2] values in brackets are according to DIN EN 61076-2-106
[3] designed acc. pollution degree 2, can be used under pollution degree 3 when the rules of IEC 60644-1 are fulfilled
[4] under operating conditions >10^8 Ohm

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. Do not connect or disconnect under load. Metal housing parts shall be securely incoporated to protected ground. Parts according to directive 2002/95/EG (RoHS).

		Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. IEC 61076-2-106)	Part number
		14 (14-a)		C091 11K014 001 2 U
		12 (12-a)		C091 11K012 001 2 U
		8 (08-a)		C091 11K008 001 2 U
		7 (07-b)		C091 11K107 001 2 U
		7 (07-a)		C091 11K007 001 2 U
		6 (06-a)		C091 11K006 001 2 U
		5 (05-b)		C091 11K105 001 2 U
		5 (05-a)		C091 11K005 001 2 U
		4 (04-a)		C091 11K004 001 2 U
		3 (03-a)		C091 11K003 001 2 U

Gewicht (errechnet) / *Calc WT*: 0,065 kg		Zul. Abw./ *Tolerances*:	Maßstab / *Scale*: 1:1 — A3
Prüfmaß / *Testdimension*		DIN / ISO 13715	CUSTOMER DRAWING
Teileindex / *Partindexnumber*:			
Bagatelle change:		Gez. 07.10.2014	Male cable connector r/a
		Drawn DSC-MIG	*male cable connector*
		Status Released	
		Gepr. 19.06.2017	
		Checked MGRIMM	
		Amphenol Tuchel Industrial GmbH	M C091 11KXXX 001 2 U — Blatt/*Sheet* 1 — 1 Bl.
03 / 201700004 / 12.06.2017 / NPFEI			Ers. f. / *Replacement for*: M-C091 11KXXX 001 2 Rev02
Index / Änderung/ *Description* / Datum/ *Date* / Name			NXM-V03

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