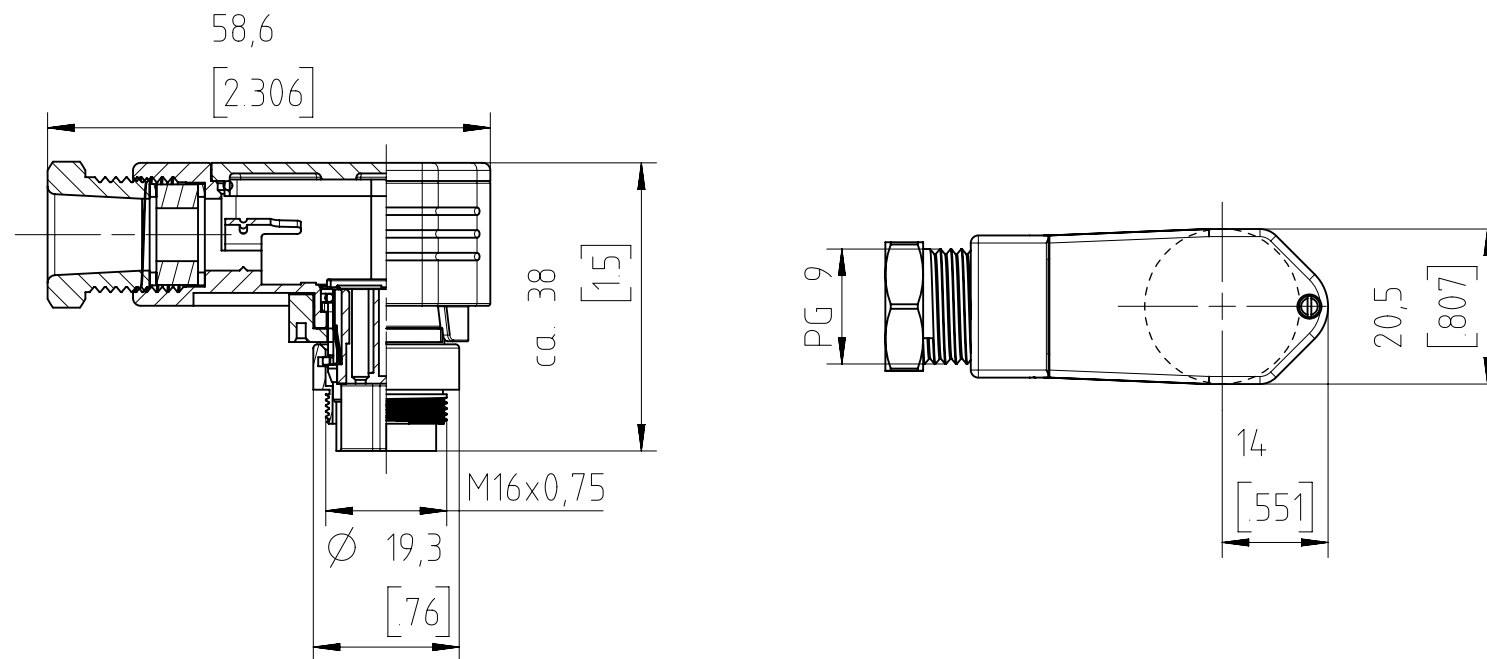


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Number of contacts	Standard	3	4	5	5S	6	7	7	8	12	14
Contact arrangement	DIN EN 61076-2-106	03-a	04-a	05-a	05-b	06-a	07-a	07-b	08-a	12-a	14-a
Contact arrangement	IEC 60130-9 ¹⁾			-			-			-	
Rated voltage ²⁾	IEC 60664-1	300 V (100 V)	300 V (63 V)	100 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): 0,09-1,0mm ² / 28-18 AWG 5S, 7, 7S, 8pol: 0,09-0,75mm ² / 28-20 AWG						0,09-0,25mm ² / 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 >10⁸ Ohm

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

	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
Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. IEC 61076-2-106)	Part number

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

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