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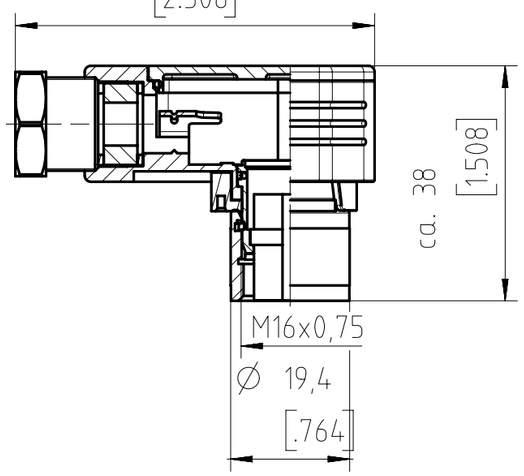
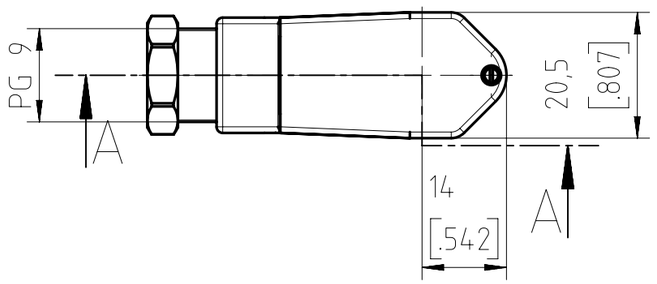
SECTION A-A

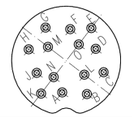
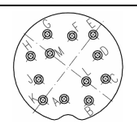
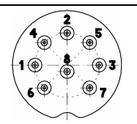
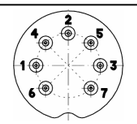
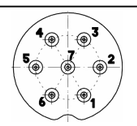
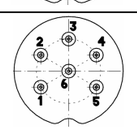
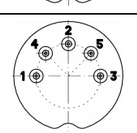
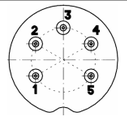
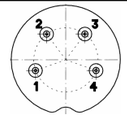
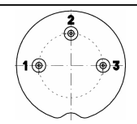




Number of contacts	Standard	3	4	5	5S	6	7	7	8	12	14
Contact arrangement	DIN EN 61076-2-106	03-a	04-a	05-a	05-b	06-a	07-a	07-b	08-a	12-a	14-a
Contact arrangement	IEC 60130-9[1]			-			-			-	
Rated voltage[2]	IEC 60664-1	300 V (100 V)		300 V (63 V)	100 V (32 V)	300 V (63 V)		100 V (32 V)		150 V (32 V)	
Rated 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	5A/+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 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 02 015 00XX X (3-8pol) or M-N 02 010 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 0,7Nm									

[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).

	14 (14-a)	C091 11F014 001 2 U
	12 (12-a)	C091 11F012 001 2 U
	8 (08-a)	C091 11F008 001 2 U
	7 (07-b)	C091 11F107 001 2 U
	7 (07-a)	C091 11F007 001 2 U
	6 (06-a)	C091 11F006 001 2 U
	5 (05-b)	C091 11F105 001 2 U
	5 (05-a)	C091 11F005 001 2 U
	4 (04-a)	C091 11F004 001 2 U
	3 (03-a)	C091 11F003 001 2 U
Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. IEC 61076-2-106)	Part number

Index	Änderung/ *Description*	Datum/ *Date*	Name
01	201400467	27.06.14	IM

Gewicht (errechnet) / *Calc WT* : g
Prüfmaß / *Testdimension*
Teileindex
Partindexnumber

Zul. Abw./ *Tolerances* :
DIN / ISO 13715

	Datum/ *Date*	Name
2014		
Gez. *Drawn*	27.06.	Mohrlang
Gepr. *Checked*		i.A. G.

Amphenol-Tuchel Electronics GmbH

Maßstab / *Scale* : 1:1 | A3

CUSTOMER DRAWING

Kabeldose PG9
female receptacle

M | C091 11FXXX 001 2 U | Blatt/ *Sheet* 1 | 1 Bl.

Ers. f. / *Replacement for* :

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