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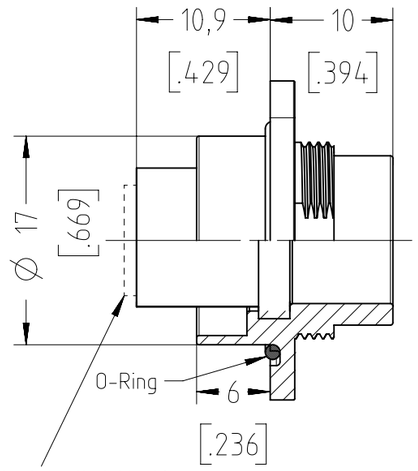
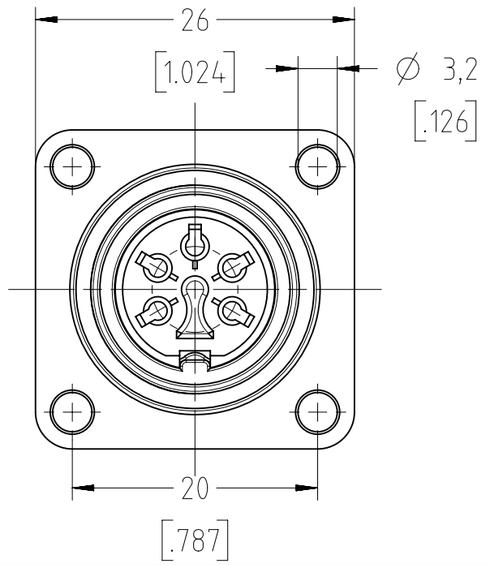
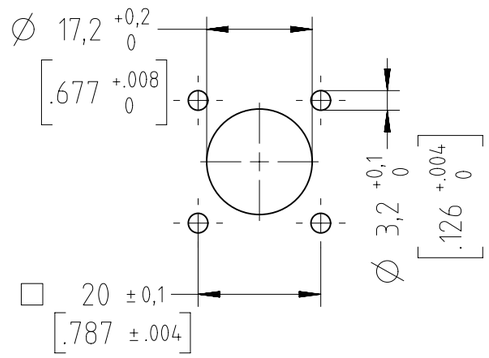
TRUSTED GLOBALLY



max. Überstand der Kontakte 1,0mm
maximum overlap of the contacts 1,0mm



Montageausschnitt M1:1
Panel Cutout

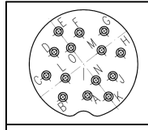
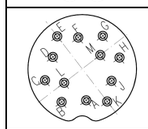
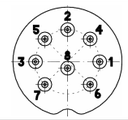
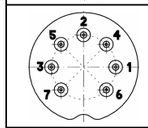
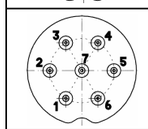
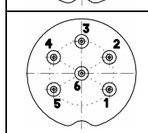
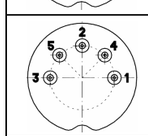
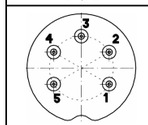
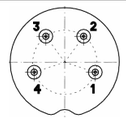
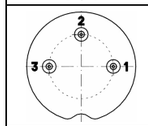


Dichtfläche eben und gratfrei, geeignete Schraubenabdichtung ist vorzusehen /
Sealing area must be flat and polished. provide suitable sealing for the screws

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	10A/+40°C/+104°F		7A/+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 0158 X U (12-14pol)									
Termination technique		solder, 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 1,0 - 1,5 Nm									

[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
[5] 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 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).

		Part number
	14 (14-a)	C091 11S014 000 2 U
	12 (12-a)	C091 11S012 000 2 U
	8 (08-a)	C091 11S008 000 2 U
	7 (07-b)	C091 11S107 000 2 U
	7 (07-a)	C091 11S007 000 2 U
	6 (6-a)	C091 11S006 000 2 U
	5 (05-b)	C091 11S105 000 2 U
	5 (05-a)	C091 11S005 000 2 U
	4 (04-a)	C091 11S004 000 2 U
	3 (03-a)	C091 11S003 000 2 U
Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. DIN EN 61076-2-106)	Part number

Index	Änderung / Description	Datum / Date	Name
03	201600320	08.06.2016	RSCHÄ

Gewicht (errechnet) / *Calc WT*: 0,014 kg
Prüfmaß / *Testdimension*
Teileindex
Partindexnumber

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

	Datum / *Date*	Name
Gez. *Drawn*	08.06.2016	RSCHÄ

Status: Released
Inspector: 07.07.2016 MGRIM

Amphenol-Tuchel Electronics GmbH
4.033.377

Maßstab / *Scale*: 2:1; 1:1 | A3

CUSTOMER DRAWING

Male receptacle
Male receptacle

M C091 11SXXX 000 2 U

Blatt / *Sheet* 1 / 1 Bl.

Ers. f. / *Replacement for*: M-C091 11SXXX 000 2 U Rev02

Mouser Electronics

Authorized Distributor

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Amphenol:
C091-11S003-000-2