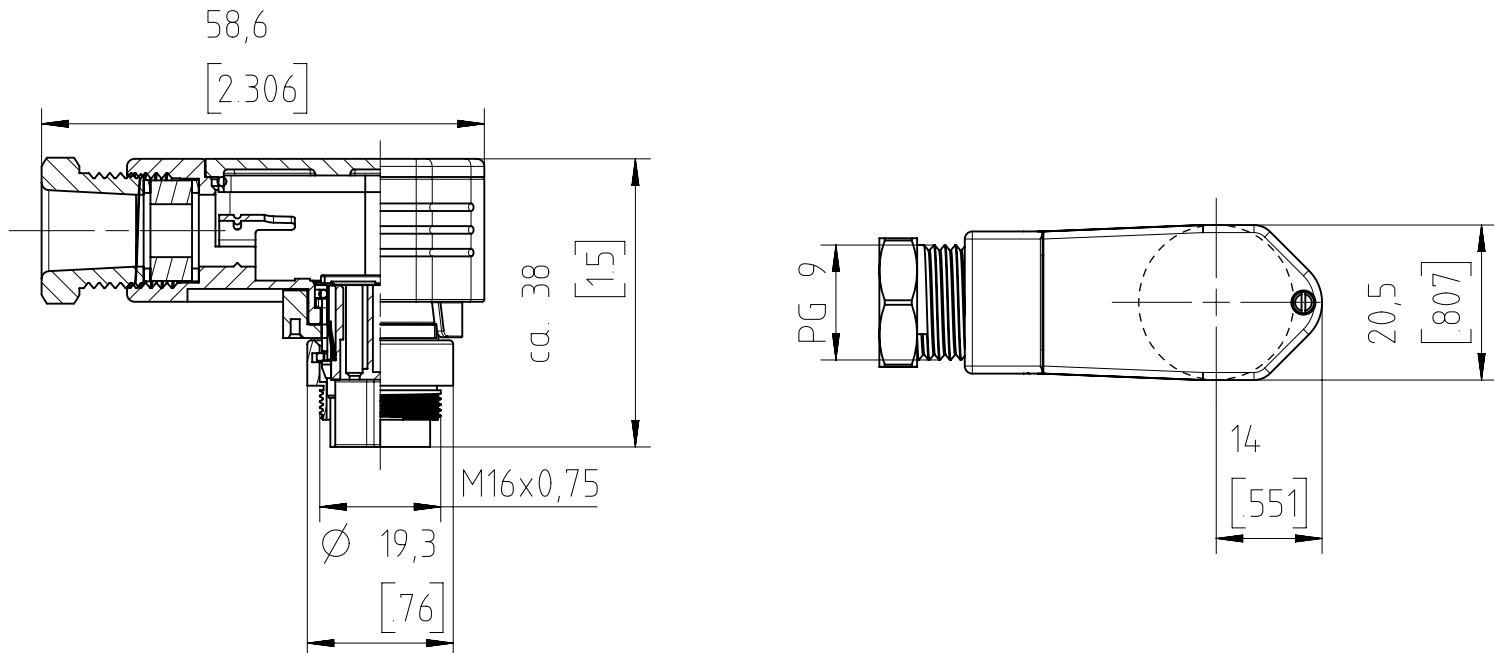


Copied from this document and giving it to others and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of the utility model or design.

Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patenterteilung oder Gebrauchsmuster-Eintragung vorbehalten.



D	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
C	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)	150 V (32 V)	150 V (32 V)	150 V (32 V)	150 V (32 V)
B	Rated voltage	UL 1977	250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V	250 V
	Rated impulse withstand voltage ²⁾	IEC 60664-1	1500 V (840 V)	1200 V (500 V)	1200 V (500 V)	1500 V (840 V)	1200 V (500 V)	1200 V (500 V)	1200 V (500 V)	1200 V (500 V)	1200 V (500 V)	1200 V (500 V)
A	Pollution degree ²⁾	IEC 60664-1	1 (3 ³⁾)	1 (3 ³⁾)	1 (3 ³⁾)	1 (3 ³⁾)	1 (3 ³⁾)	1 (3 ³⁾)	1 (3 ³⁾)	1 (3 ³⁾)	1 (3 ³⁾)	1 (3 ³⁾)
	Installation category	IEC 60664-1	I	I	I	I	I	I	I	I	I	I
A	Insulation group	IEC 60664-1	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600	II, 400 ≤ CTI < 600
	Current rating	IEC 60512-5-2 UL 1977	7A/+40°C/+104°F	10A/+40°C/+104°F	10A/+40°C/+104°F	10A/+40°C/+104°F	10A/+40°C/+104°F	10A/+40°C/+104°F	10A/+40°C/+104°F	10A/+40°C/+104°F	10A/+40°C/+104°F	10A/+40°C/+104°F
A	Insulation resistance	IEC 60512-3-1	>10 ¹⁰ Ohm ⁴⁾	>10 ¹⁰ Ohm ⁴⁾	>10 ¹⁰ Ohm ⁴⁾	>10 ¹⁰ Ohm ⁴⁾	>10 ¹⁰ Ohm ⁴⁾	>10 ¹⁰ Ohm ⁴⁾	>10 ¹⁰ Ohm ⁴⁾	>10 ¹⁰ Ohm ⁴⁾	>10 ¹⁰ Ohm ⁴⁾	>10 ¹⁰ Ohm ⁴⁾
	Contact resistance	IEC 60512-2-1	<5m Ohm	<5m Ohm	<5m Ohm	<5m Ohm	<5m Ohm	<5m Ohm	<5m Ohm	<5m Ohm	<5m Ohm	<5m Ohm
A	Climatic category	IEC 60668-1	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56	40 / 100 / 56
	Temperatur range	IEC 60668-1	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F	-40°C...+100°C / -40°F...+212°F
A	salt spray resistance	DIN IEC 60068-2-11	720h	720h	720h	720h	720h	720h	720h	720h	720h	720h
	IP degree	IEC 60529	IP 69K / IP 67 / IP 65 (in mated condition)	IP 69K / IP 67 / IP 65 (in mated condition)	IP 69K / IP 67 / IP 65 (in mated condition)	IP 69K / IP 67 / IP 65 (in mated condition)	IP 69K / IP 67 / IP 65 (in mated condition)	IP 69K / IP 67 / IP 65 (in mated condition)	IP 69K / IP 67 / IP 65 (in mated condition)	IP 69K / IP 67 / IP 65 (in mated condition)	IP 69K / IP 67 / IP 65 (in mated condition)	IP 69K / IP 67 / IP 65 (in mated condition)
A	Insertion and withdrawal force	IEC 60512-13-2	25N	30N	35N	50N	55N	60N	50N	50N	50N	50N
	Mechanical operation	IEC 60512-9-1	silver ≥500 mating cycles gold ≥1000 mating cycles	silver ≥500 mating cycles gold ≥1000 mating cycles	silver ≥500 mating cycles gold ≥1000 mating cycles	silver ≥500 mating cycles gold ≥1000 mating cycles	silver ≥500 mating cycles gold ≥1000 mating cycles	silver ≥500 mating cycles gold ≥1000 mating cycles	silver ≥500 mating cycles gold ≥1000 mating cycles	silver ≥500 mating cycles gold ≥1000 mating cycles	silver ≥500 mating cycles gold ≥1000 mating cycles	silver ≥500 mating cycles gold ≥1000 mating cycles
A	Housing material		brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated	brass and / or zinc die cast, nickel plated
	Dielectric material		thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic	thermoplastic
A	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)	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)	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)	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)	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)	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)	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)	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)	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)	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	crimp	crimp	crimp	crimp	crimp	crimp	crimp	crimp	crimp
A	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	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	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	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	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	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	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	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	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	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
	Flamability		UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0
A	locking system	IEC 60130-9 DIN EN 61076-2-106	metal screw coupling, tightening torque 1-1,5Nm	metal screw coupling, tightening torque 1-1,5Nm	metal screw coupling, tightening torque 1-1,5Nm	metal screw coupling, tightening torque 1-1,5Nm	metal screw coupling, tightening torque 1-1,5Nm	metal screw coupling, tightening torque 1-1,5Nm	metal screw coupling, tightening torque 1-1,5Nm	metal screw coupling, tightening torque 1-1,5Nm	metal screw coupling, tightening torque 1-1,5Nm	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

Prüfmaß / Testdimension

Teileindex / Partindexnumber:

Bagatelle change:

Zul. Abw./Tolerances:

Gez. Drawn

Status

Gepr. Checked

07.10.2014

DSC-MIG

Released

19.06.2017

MGRIMM

Maßstab / Scale: 1:1

A3

CUSTOMER DRAWING

Male cable connector r/a

male cable connector

M C091 11KXXX 001 2 U

Blatt / Sheet 1

1 Bl.

Ers. f. / Replacement for: M-C091 11KXXX 001 2 Rev02

Amphenol Tuchel Industrial GmbH

Index

Änderung / Description

Datum / Date

Name

03

201700004

12.06.2017

NPFEI