



Assembly instruction see N 22 091 0023

Number of contacts	Standard	3	4	5	5	6	7	7	8	12	14	14	19	
Contact arrangement	IEC 61076-2-106	03-a	04-a	05-a	05-b	06-a	07-a	07-b	08-a	12-a	14-a	14-b	19-a	
Rated voltage	IEC 60664-1	150 V	100 V	32 V	100 V	32 V								
Rated impulse withstand voltage	IEC 60664-1	1500 V	800 V	1500 V	800 V									
Pollution degree	IEC 60664-1	3 ¹⁾												
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	7A/+40°C						3A/+40°C					
Insulation resistance	IEC 60512-3-1	>10 ¹⁰ Ohm ²⁾												
Contact resistance	IEC 60512-2-1	<5mOhm												
Climatic category	IEC 60668-1	40 / 100 / 21												
Temperatur range	IEC 60668-1	-40°C...+100°C / -40°F...+212°F												
Salt spray resistance	DIN IEC 60068-2-11, test Ka	720h												
IP degree	IEC 60529	IP69K / IP 68 (in mated condition)												
Insertion and withdrawal force	IEC 60512-13-2	25N	30N	35N	35N	50N	55N	55N	60N	50N	50N	50N	60N	
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												
sealing material		Chloroprene												
contacts		silver or gold plated												
termination technique		solder												
wire gauge		≤0,5mm ² / 20 AWG						≤0,35mm ² / 22 AWG						
flamability		UL 94 V0												
locking system	DIN EN 61076-2-106	metal screw coupling, tightening torque 0,7 - 1,5 Nm												

¹⁾ designed according pollution degree 2, can be used under pollution degree 3 if the rules according IEC 60664-1 are fulfilled
²⁾ under operating conditions >10⁸ Ohm
 Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.
 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 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 ("Beschaffungsgarantie" or "Haltbarkeitsgarantie").

	149 (19-a)	C091 31H019 102 4 U	C091 31H019 202 4 U
	14 (14-b)	C091 31H114 102 4 U	C091 31H114 202 4 U
	14 (14-a)	C091 31H014 102 4 U	C091 31H014 202 4 U
	12 (12-a)	C091 31H012 102 4 U	C091 31H012 202 4 U
	8 (08-a)	C091 31H008 102 4 U	C091 31H008 202 4 U
	7 (07-b)	C091 31H107 102 4 U	C091 31H107 202 4 U
	7 (07-a)	C091 31H007 102 4 U	C091 31H007 202 4 U
	6 (06-a)	C091 31H006 102 4 U	C091 31H006 202 4 U
	5 (05-b)	C091 31H105 102 4 U	C091 31H105 202 4 U
	5 (05-a)	C091 31H005 102 4 U	C091 31H005 202 4 U
	4 (04-a)	C091 31H004 102 4 U	C091 31H004 202 4 U
	3 (03-a)	C091 31H003 102 4 U	C091 31H003 202 4 U
Contact arrangement View on mating side	Number of contacts (Contact arrangement acc. IEC 61076-2-106)	Part number with silver plated contacts	Part number with gold plated contacts

Gewicht (errechnet) / Calc WT: 0,05 kg		Zul. Abw./Tolerances:		Maßstab / Scale: 2:1		A3			
Prüfmaß / Testdimension		ISO 2768-c				CUSTOMER DRAWING			
Teileindex / Partindexnumber:									
Bagatelle change:				Gez. 26.05.2020		Male cable connector for cable diameter 8-10,5 mm			
		Drawn MCARLE							
		Status Released							
		Gepr. 11.01.2021		Gepr. MBERTSCH		M C091 31HXXX X02 4 U			
		Checked							
03 202000083		26.10.2020		MCARLE		Blatt / Sheet 1		1 Bl.	
Index		Änderung / Description		Datum / Date		Name		Ers. f. / Replacement for: M-C0901 31HXXX X02 4 U Rev02	

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

FAI2020-001734
NXM-V02

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Circular DIN Connectors](#) category:

Click to view products by [Amphenol](#) manufacturer:

Other Similar products are found below :

[60KD4M](#) [M83723/76W22326](#) [M83723/78R22327](#) [D38999/24WJ29PA](#) [D38999/26FE99SN L/C](#) [75-069228-21J](#) [75-474014-07L](#) [88-559975-75P](#) [8R3006A18M0033](#) [PT02E1283P](#) [GTC00G-24-7S](#) [PT05A-14-5SX](#) [PT05A1832SW](#) [PT05E2255PW](#) [PT05SE1832SWLC](#) [PT05SE1832SYLC](#) [GTC030-20-27PW-LC](#) [GTC030A-20-33S](#) [PT06SE1811SXLC](#) [1211290078](#) [1211810025](#) [1210120122](#) [ACC06AF-20-23P\(003\)](#) [1210503216](#) [1211290084](#) [1211500027](#) [ACS06AF-16-10P\(003\)](#) [D38999/40FB35AN](#) [D38999/40FB35BB](#) [D38999/40WB35BN](#) [D38999/40WD35PN](#) [D38999/40WJ29SN-L/C](#) [D38999/40WJ4BN](#) [D38999/42FB35BN](#) [D38999/42WB35AB](#) [D38999/42WB35PB-L/C](#) [D38999/42WJ19AN](#) [D38999/42WJ24PN-L/C](#) [D38999/44WB35AN](#) [D38999/44WH21AN](#) [D38999/44WH35AN](#) [D38999/44WJ29BA](#) [D38999/44WJ35PN](#) [D38999/44WJ61BA](#) [D38999/46FB35AC](#) [D38999/46FB35BN](#) [D38999/46FB35SA-L/C](#) [D38999/46FB99BA](#) [D38999/46FB99BN](#) [D38999/46FJ19SA-L/C](#)