

Specification	nanoCON Series	miniCON Series	neutriCON Series
Electrical			
Number of contacts:	3	12 (1-12 modular system)	8 (1-8 modular system)
Rated current per contact:	2 A	3 A	7.5 A (solder), 5 A (crimp)
Rated voltage:	50 V ac	50 V ac	50 V ac
Dielectric strength:	1000 V dc	1000 V dc	1500 Vdc
Contact resistance:	≤ 12 mΩ	≤ 8 mΩ	≤ 5 mΩ
Insulation resistance after damp heat test (IEC 68-2-30):	> 1 GΩ	> 500 MΩ	> 500 MΩ
Mechanical			
Retention method:	latch	Push-pull	Push-pull
Cable O.D. range:	3.4 mm max.	3 - 5 mm (grey chuck)	3 - 7 mm
		5 - 7 mm (white chuck)	3 - 3.8 mm (SR8A)
		2.5 - 6 mm (crimp version MSRC)	6 - 7 mm (SR8B)
Wiring:	0.2 mm ² / 24 AWG for solid wire	0.5 mm ² / 20 AWG for solder	1.0 mm ² / 18 AWG for solder
	0.14 mm ² 26 AWG for stranded wire	0.22 mm ² 24 AWG for crimp	0.14 - 0.34 mm ² 22 - 26 AWG for crimp
Solderability complies with IEC 68-2-20:	●	●	●
Material			
Housing cable connector:	CuSn4Pb4Zn4	ZnAl4Cu1 / CuZn39Pb3	ZnAl4Cu1 gal Ni or black chrome
Housing receptacle:	CuZn39Pb2	ZnAl4Cu1	ZnAl4Cu1, gal Ni or black chrome
Insert:	PETP	PA 6.6	PBTP 15% GR
Contacts:	CuZn35Pb2	CuZn35Pb2 (solder)	CuZn35Pb2 (solder)
		CuZn39Pb3 (crimp)	CuZn39Pb3 (crimp)
Contact surface:	0.5 μm Au	0.2 μm AuCo	0.3 μm Au hard alloy over 2 μm Ni
Chuck POM:	●	●	●
Environmental			
Flammability UL 94 HB:	-	-	●
Flammability UL 94 V-0:	●	●	-
Temperature range: -30°C to +80°C	●	●	●
Protection class (mated):	IP 40*	IP 5X	IP 5X
Safety Requirements EN/IC61984:	-	-	-
* : Receptacle			
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