

Specification	A Series	AA Series	B Series	BA Series	D Series	DL / DLX Series	DLX Crimp	DLX-HE Series
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Electrical

Number of contacts	3 - 5	3	3	3-5	3	3-7	3	3
Contact resistance	≤ 6 mΩ	●	●	●	●	●	●	●
Insulation resistance - initial:	> 2 GΩ	●	●	●	●	●	●	●
- after damp heat test:	> 1 GΩ	●	●	●	●	●	●	●
Dielectric strength	1500 V dc	●	●	●	●	●	●	●
Rated voltage	50 V ac	●	●	●	●	●	●	●
Rated current per contact								
3 pole: 6 A	●	●	●	●	●	16 A	1 A	16 A
4 pole: 6 A	●	-	-	●	-	10 A	-	-
5, 6 pole: 3 A	●	-	-	●	-	7.5 A	-	-
7 pole: 5 A	-	-	-	-	-	●	-	-
Combo XLR + Jack contact	7.5 A	-	-	-	-	-	-	-
Capacitance between contacts								
3 pole: ≤ 4 pF	●	●	●	●	-	≤ 4 pF	≤ 4 pF	≤ 4 pF
4, 5, 6 pole: ≤ 7 pF	●	-	●	-	-	●	-	-
7 pole: ≤ 9 pF	-	-	-	-	-	●	-	-

Mechanical

Lifetime > 1'000 mating cycles	●	●	●	●	●	●	●	●
Insertion / withdrawal force	≤ 20 N	●	●	●	●	●	●	●
Retention method								
- standard: latch lock	●	●	●	●	●	●	●	●
- "0" Version: ≥ 20 N separating force	●	●	●	●	●	●	-	-
Crimp XX: 0.22 - 0.34 mm ² / AWG 24 - 22	-	-	-	-	-	-	●	-

Material

Insert	Polyamide PA 6.6 30% GR	●	●	●	●	●	●	PSS 40% GR
Shell	Zinc diecast ZnAl4Cu1	-	-	-	-	●	●	●
Shell plating	gal Ni or black Cr	-	-	●	●	●	●	velour Cr
Ring	Zinc diecast ZnAl4Cu1	-	-	●	●	-	-	-
Contacts - female 3 pole:	Bronze CuSn6	●	●	●	●	●	●	●
4 - 5 pole:	Bronze CuSn6	●	-	-	●	-	-	-
4 - 7 pole:	Brass CuZn39Pb3	-	-	-	-	●	-	-
- male: Brass CuZn35Pb2		●	●	●	●	●	●	●
Contact surface gal 0.2 μm AuCo over 2 μm NiP15 (Tribor®)		●	●	●	●	-	-	●
gal 2 μm Ag or gal 0.2 μm Au hard alloy over 2 μm Ni		-	-	-	-	●	●	-
Latch lock & spring	Ck 67 teal, treated	●	●	●	●	●	●	●

Environmental

Operating temperature	-30°C to +80°C	●	●	●	●	●	●	●
Protection class	IP 40	●	●	●	●	●	●	●
Flammability	UL 94 HB	●	●	-	●	●	●	-
	UL 94 V-0	3 pole	-	●	3 pole	-	-	●
Solderability complies with IEC 68-2-20		●	●	●	●	●	●	●
Mounting screw	A	A	1)	A	-	-	-	-
Color coding	ACR* 2)	-	-	ACR* 2)	DSS	DSS	DSS	DSS

(4 + 5 pole only)

1) : B Series 3 pole connectors > B-screw, 4 & 5 pole versions > A-screw

2) : 4 + 5 pole A series, 3 pole BA series

Specification

MPR-HD Series	P Series	Combo Series	A Combo
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Electrical

Number of contacts		3 - 5	3 - 7 (6*)	5 - 10	3 / 3
Contact resistance	≤ 6 mΩ	●	●	≤ 10 mΩ	≤ 10 mΩ
Insulation resistance	- initial: > 2 GΩ	●	●	●	●
	- after damp heat test: > 1 GΩ	●	●	> 500 MΩ	●
Dielectric strength	1500 V dc	●	●	●	●
Rated voltage	50 V ac	●	●	●	●
Rated current per contact					
	3 pole: 6 A	16 A	16 A	-	3 A
	4 pole: 6 A	10 A	10 A	-	-
	5, 6 pole: 3 A	7.5 A	7.5 A	-	-
	7 pole: 5 A	-	●	-	-
Combo XLR + Jack contact	7.5 A	-	-	●	●
Capacitance between contacts					
	3 pole: ≤ 7 pF	≤ 4 pF	≤ 4 pF	≤ 2 pF	≤ 2 pF
	4, 5, 6 pole: ≤ 7 pF	●	●	-	-
	7 pole: ≤ 9 pF	-	●	-	-

Mechanical

Lifetime > 1'000 mating cycles		●	●	●	●
Insertion / withdrawal force	≤ 20 N	●	●	● 25 N	●
Retention method					
	- standard: latch lock	●	●	● (XLR)	● (XLR)
	- "0" Version: ≥ 20 N separating force	●	●	● 25 N	● 25 N

Material

Insert	Polyamide PA 6.6 30% GR	●	●	●	●
Shell	Zinc diecast ZnAl4Cu1	●	●	-	-
Shell plating	gal Ni or black Cr	Ni	●	-	-
Ring	Zinc diecast ZnAl4Cu1	-	-	-	-
Contacts	- female 3 pole: Bronze CuSn6	-	●	●	●
	4 - 5 pole: Bronze CuSn6	-	-	-	-
	4 - 7 pole: Brass CuZn39Pb3	-	●	-	-
	- male: Brass CuZn35Pb2	●	●	-	-
Contact surface	gal 0.2 μm AuCo over 2 μm NiP15 (Tribor®)	-	-	●	●
	gal 2 μm Ag or gal 0.2 μm Au hard alloy over 2 μm Ni	Au	●	-	-
Latch lock & spring	Ck 67 steel, treated	-	●	●	●

Environmental

Operating temperature	-30°C to +80°C	●	●	●	●
Protection class	IP 40	IP 65	●	●	●
Flammability	UL 94 HB	●	●	●	●
	UL 94 V-0	-	-	-	-
Solderability complies with IEC 68-2-20		●	●	●	●
Mounting screw		-	-	A	A
Color coding		-	-	-	-

* : P Series male 3 - 6 pole