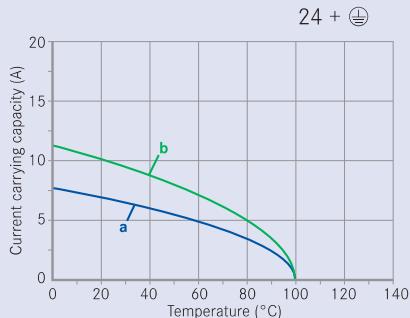


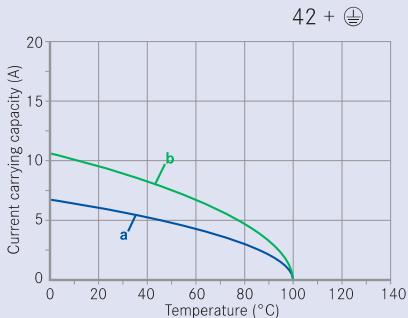
heavy | mate® DD Characteristics contact inserts

General Characteristics	Standard	Value			
Number of contacts		24 +	42 +	72 +	108 +
Termination technique		crimp			
Wire gauge		0.14 mm ² - 2.5 mm ²			
Flammability	UL 94	V-0			
Electrical Characteristics					
Rated voltage	IEC 60664-1	250 V (600 V UL / CSA)			
Pollution degree	IEC 60664-1	2 (3 mated and locked)			
Installation (overvoltage) category	IEC 60664-1	III			
Material group	IEC 60664-1	III b			
Rated impulse withstand voltage	IEC 60664-1	4 kV			
Current carrying capacity	IEC 60512-5-2	see derating curves			
Contact resistance	IEC 60512-2-1	≤ 5 m Ω			
Insulation resistance	IEC 60512-3-1	≥ 10 ¹⁰ Ω			
Climatical Characteristics					
Climatic category	IEC 60068-1	40 / 100 / 21			
Upper temperature	IEC 60512-11-9	+ 100 °C			
Lower temperature	IEC 60512-11-10	- 40 °C			
Mechanical Characteristics					
Weight pin insert		44 g	50 g	63 g	86 g
IP-degree of protection pin insert	IEC 60529	unmated IP00		mated IP20	
IP-degree of protection socket insert	IEC 60529	unmated IP20		mated IP20	
Weight socket insert		41 g	50 g	67 g	88 g
Mechanical operation	IEC 60512-9-1	> 500 mating cycles			
Materials					
Insert		PBTP			
Colour insert		grey			
Contacts		CuZn (brass)			
Contact plating		Ag (silver)			

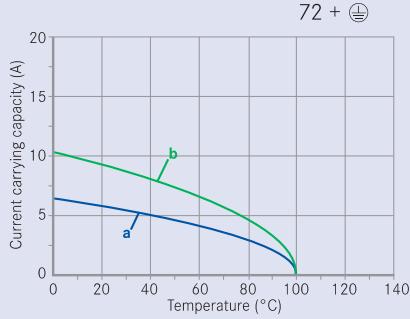
Derating curves



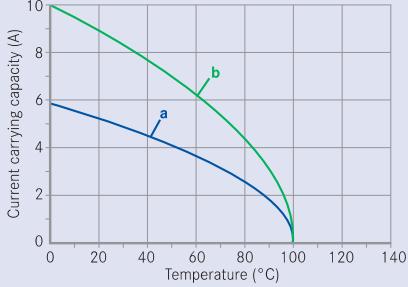
Curve	Wire gauge
a	0.75 mm ²
b	1.5 mm ²



Curve	Wire gauge
a	0.75 mm ²
b	1.5 mm ²



Curve	Wire gauge
a	0.75 mm ²
b	1.5 mm ²



Curve	Wire gauge
a	0.75 mm ²
b	1.5 mm ²

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