

heavy | mate[®] D Characteristics contact inserts

General Characteristics	Standard	Value						
Number of contacts		7	15	25	40	50 2x25	64	128 2x64
Contact arrangement	DIN EN 175 301-801 (DIN 43652)		•	•	•		•	
Termination technique		crimp, wire wrap						
Max. wire diameter		4.1 mm						
Flammability	UL 94	V-0						
Electrical Characteristics								
Rated voltage ¹⁾	IEC 60664-1	250 V~ (400 V~ ²⁾) (600 V UL / CSA ³⁾)						
Pollution degree	IEC 60664-1	3						
Installation (overvoltage) category	IEC 60664-1	III						
Material group	IEC 60664-1	III b						
Rated impulse withstand voltage	IEC 60664-1	4 kV						
Rated current	IEC 60512-5-2	see derating curves						
Rated current T _{amp} = 40 °C		16 A	12 A	12 A	10 A	10 A	10 A	10 A
Insulation resistance	IEC 60512-3-1	≥ 10 ¹⁰ Ω						
Climatical Characteristics								
Climatic category	IEC 60068-1	40/125/21						
Upper temperature	IEC 60512-11-9	+ 125°C						
Lower temperature	IEC 60512-11-10	- 40°C						
Mechanical Characteristics								
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 pin insert		8 g	28 g	34 g	53 g	68 g	65 g	130 g
Weight socket insert		8 g	30 g	38 g	64 g	76 g	82 g	164 g
Mechanical operation	IEC 60512-9-1	≥ 500 mating cycles						
Materials								
Insert	IEC 60664-1	PBTP	PC GV ⁴⁾					
Colour insert	IEC 60664-1	grey						