

heavy | mate® HVE Characteristics contact inserts

General Characteristics	Standard	Value						
Number of contacts		3	6	10	16	20	26 ³⁾	32
Termination technique		screw						
Wire gauge		0.25 - 2.5 mm ²						
Flammability	UL 94	V-0						
Electrical Characteristics								
Rated voltage	IEC 60664-1	660 V ¹⁾ (600 V UL / CSA ²⁾)						
Pollution degree	IEC 60664-1	3						
Installation (overvoltage) category	IEC 60664-1	III						
Material group	IEC 60664-1	III a	II	IIIa	³⁾	II		
Rated impulse withstand voltage	IEC 60664-1	8 kV						
Current carrying capacity	IEC 60512-5-2	see derating curves						
Contact resistance	IEC 60512-2-1	≤ 5 mΩ						
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 ⁴⁾	IEC 60529	unmated IP00				mated IP20		
IP-degree of protection socket insert ⁴⁾	IEC 60529	unmated IP20				mated IP20		
Weight pin insert		49 g	63 g	81 g	107 g	162 g	189 g	214 g
Weight socket insert		49 g	63 g	81 g	107 g	162 g	189 g	214 g
Mechanical operation	IEC 60512-9-1	≥ 500 mating cycles						
Materials								
Insert		PC, GV			PA,GV	PC,GV	³⁾	PA,GV
Colour insert		grey			black	grey	³⁾	black
Contacts		Cu Zn (brass)						
Contact plating		Ag (silver)						