

## heavy | mate® E / FE / KO Characteristics contact inserts

General Characteristics	Standard	Value			
Number of contacts		6 + $\ominus$	10 + $\ominus$	16 + $\ominus$	24 + $\ominus$
Termination technique		screw			
Wire gauge		0.25 mm <sup>2</sup> - 2.5 mm <sup>2</sup>			
Flammability	UL 94	V-0			
Electrical Characteristics					
Rated voltage	IEC 60664-1	500 V			
Pollution degree	IEC 60664-1	3			
Installation (overvoltage) category	IEC 60664-1	III			
Material group	IEC 60664-1	III b			
Current carrying capacity	IEC 60664-1	6 kV			
Rated current $T_{amp} = 40\text{ °C}$		10 A			
Contact resistance	IEC 60512-2-1	$\leq 10\text{ m}\Omega$			
Insulation resistance	IEC 60512-3-1	$\geq 10^{10}\Omega$			
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					
IP-degree of protection pin insert <sup>1)</sup>	IEC 60529	unmated IP00		mated IP20	
IP-degree of protection socket insert <sup>1)</sup>	IEC 60529	unmated IP20		mated IP20	
Weight pin insert		45 g	60 g	78 g	105 g
Weight socket insert		45 g	60 g	78 g	105 g
Mechanical operation	IEC 60512-9-1	$\geq 100$ mating cycles			
Materials					
Insert		PA, GV (Polyamid)			
Colour insert		grey			
Contacts		iron; gal cd 4 constantan = without plating			