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Technical Data

Technical Data

Type and Number of Contacts	1/3 C 30	1/2 B 32 1/2 Q 32	1/2 C 48 1/2 R 48	B 64 Q 64	C 32 R 32	C 64 R 64	C 96	C+1 128	M 24	M 42	M 60	M 78	D 32	E 48	F 32	F 48
Insertion and Withdrawal Force lbs. (N)	6.7 (30)	6.7 (30)	10.1 (45)	13.5 (60)	6.7 (30)	13.5 (60)	20.2 (90)	27.0 (120)	5.2 (23) *22.5 (100)	9.0 (40) *22.5 (100)	12.8 (57) *22.5 (100)	16.6 (74) *22.5 (100)	9.0 (40)	13.5 (60)	11.2 (50)	16.9 (75)
Current Carrying Capacity	See Diagram			See Diagram Page _____												
Contact Chassis	K	0.07 (1.8 mm)			0.07 (1.8 mm)								0.24 (6.0 mm)			
	L	0.06 (1.6 mm)			0.06 (1.6 mm)								0.14 (3.5 mm)			
Creepage (K) and Clearance (L) Distance* in (mm)	K	0.05 (1.2 mm)			0.05 (1.2 mm)	0.12 (3.0 mm)	0.05 (1.2 mm)						0.12 (3.0 mm)			
	L	0.05 (1.2 mm)			0.05 (1.2 mm)	0.12 (3.0 mm)	0.05 (1.2 mm)						0.06 (1.6 mm)			
Test VoltageU	1000 V			1000 V	1550 V	1000V						1550 V				
Contact Resistance	≤20 mΩ			20 mΩ								15mΩ				
Insulation Resistance	10 mΩ			10 ¹² Ω												
Temperature Range	- 55...+ 125 °C			-55...+125°C												
Contact Material	Header	CuZn			CuZn											
	Socket	CuSn			CuSn											
Housings	Glass Filled Polyester			Glass Filled Polyester								PBTP 30% GV				
Flammability acc. to UL 94	V - 0			V-0												
Comparative Tracking Index acc. to IEC 223 DIN VDE 0303 TI. 1	CTI 150			CTI 150								CTI 175		CTI 550		

* With Special Contacts

Operating current per contact related to ambient temperature:

DIN 41612 Part 5 Mating Cycles		
Performance Level	1**	Min. 500 Mating Cycles
Performance level	2	Min. 400 Mating Cycles
Performance Level	3	Min. 50 Mating Cycles

** ON REQUEST

