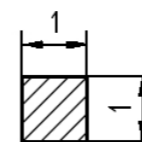




DIN power male connector - interface U



Cross section of wirewrap posts



General information

Design	complementary IEC 60603-2	types: F male - interface U
No. of contacts	max. 48	
Contact spacing	5,08 mm / 3,81mm	
Test voltage	1550V contact/contact	2500V contact/ground
Contact resistance	max. 15mOhm	
Insulation resistance	min. 10 ¹⁰ Ohm	
Working current	max. 6A at 20°C (see derating diagram)	
Temperature range	-55°C ... +125°C	
Termination technology	wire wrap	
Clearance	min. 1,6 mm	
Creepage	min. 3,0 mm	
Insertion and withdrawal force	48-pole max. 75N	
Mating cycles	- PL1 acc. to IEC 60603-2 =>	500 mating cycles
UL file	E102079	
RoHS - compliant	Yes	
Leadfree	Yes	
Hot plugging	No	

Insulator material

Material	PC (thermoplastics, glass fiber reinforcement 20%)
Colour	RAL 7032 (grey)
UL classification	UL 94-V0
Material group acc. to IEC 60664-1	IIIa (175 ≤ CTI < 400)
NFF classification	I2, F1

Contact material

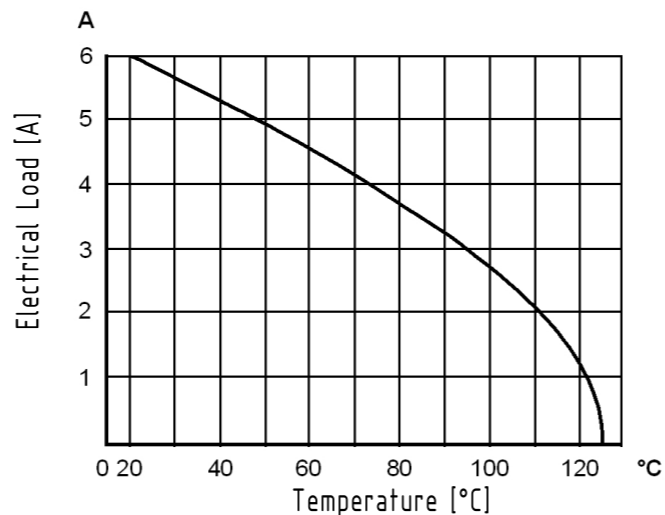
Contact material	Copper alloy
Plating contact zone	Au over Ni

Derating diagram acc. to IEC 60512-5 (Current carrying capacity)

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals.

The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60512-5



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