

D-5000 Series Performance & Specifications

Performance Specifications/Wire Size/Current Rating

Item	D-5200	D-5300	D-5200 α
Pitch	10.16mm		
Current Rating	30A max		45A max
Voltage Rating	630V AC / DC		
Dielectric Withstanding volatage	3000VAC		
Total Resistance	2mΩmax		
Insertion Strength	9.8Nmax (per pole)		
Withdrawal Strength	1.96Nmin (per pole)		
Durability	50 times (Gold0.76μm/hour)		
Lock Strength	98Nmin		

Pos. Number/Wire Size/Current Rating

Units: A (Amps).

No. of Pos	Series	Wire Size(AWG)						
		20	18	16	14	12	10	8
6	D-5200	-	-	16	19	25	30	-
4	D-5300	-	-	16	19	25	30	-
3	D-5200 α	12	16	20	25	33	38	45
4		12	15	18	23	31	35	43

Performance Specifications* Manual Materials & Construction

Product Standards	108-5453	
Test Report	501-5188	
Mounting Applicatoion Standard	114-5206	
hand tool instruction sheets	Crimping Tool Product Number : 234170-1	411-5712
	Crimping Tool Product Number : 234171-1	411-5713
	Crimping Tool Product Number : 91596-1	408-8547-1
	Crimping Tool Product Number : 1366044-1	411-5976
Withdrawal Tool (product number : 409158-1) Manual	411-5774	

please order the manual concurrently An E-Catalogue is also available for download from the internet

Material & Completion

Category	Item	D-5200	D-5300	D-5200α
Contact	Material	Copper Alloy		
	Finishing	Nickel Undercoat Gold Plating	Nickel Undercoat Gold/Silver Plating	Nickel Undercoat Gold Plating
Board Side Tab Post	Material	Copper Alloy	-	Copper Alloy
	Finishing	Nickel Undercoat Gold Plating	-	Nickel Undercoat Silver Plating
Housing	Material	UL94V-0, glass-reinforced thermoplastic PBT		

Safety Specifications

The following safety standards have been approved based on the part number. Please check each model number to see whether it has been approved or not. In the meantime, please be aware that these may not match TE's own performance specifications.

Series Standard	D - 5200 series (400 mill, 10.16 mm pitch).			D-5200Mα Series																																							
	Voltage Rating	Current Rating	Temperature Rating	Voltage Rating	Current Rating	Temperature Rating																																					
product standards 108-5453	630V AC/DC	(see above).	-55°C ~+105°C	-	(see above).	-55°C ~+105°C																																					
UL File No.E28476 (Recognized Component)	determined according to the requirements of the machine in use	determined according to the requirements of the machine in use	-	-	determined according to the requirements of the machine in use	-																																					
CSA Report No. LR 7189	h600V AC/DC	<table border="1"> <tr><td>AWG</td><td>A</td></tr> <tr><td>16</td><td>13</td></tr> <tr><td>14</td><td>18</td></tr> <tr><td>12</td><td>25</td></tr> <tr><td>10</td><td>30</td></tr> </table>	AWG	A	16	13	14	18	12	25	10	30	-	-	-	-																											
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