

Applicable standard																							
Rating	Operating temperature range	-40°C to +85°C (Note 1)	Storage temperature range		-10°C to +60°C (Note 2)																		
	Operating humidity range	40% to +80%	Storage humidity range		40% to +70% (Note 2)																		
	Voltage	250V AC	UL·CSA	Voltage	AC 30V																		
	Current	2A	Rating	Current	2A																		
Specifications																							
Item		Test method		Requirements																			
<table border="1"> <tr> <td colspan="2">Construction</td> <td colspan="2"></td> <td>QT</td> <td>AT</td> </tr> <tr> <td>General examination</td> <td>Visually and by measuring instrument.</td> <td colspan="2">According to drawing.</td> <td>X</td> <td>X</td> </tr> <tr> <td>Marking</td> <td>Confirmed visually.</td> <td colspan="2"></td> <td>X</td> <td>X</td> </tr> </table>						Construction				QT	AT	General examination	Visually and by measuring instrument.	According to drawing.		X	X	Marking	Confirmed visually.			X	X
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General examination	Visually and by measuring instrument.	According to drawing.		X	X																		
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Electric characteristics																							
Contact resistance	100mA (DC or 1000 Hz).	30mΩ MAX.		X	—																		
Insulation resistance	500V DC.	1000MΩ MIN.		X	—																		
Voltage proof	650V AC for 1 min.	No flashover or breakdown.		X	—																		
Mechanical characteristics																							
Mechanical operation	30 times insertions and extractions.	① Contact resistance: 30mΩ max. ② No damage, crack or looseness of parts.		X	—																		
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.	① No electrical discontinuity of 1μs. ② No damage, crack or looseness of parts.		X	—																		
Shock	490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.	① No electrical discontinuity of 1μs. ② No damage, crack or looseness of parts.		X	—																		
Environmental characteristics																							
Rapid change of temperature	Temperature -55→ 5 to 35→+85→ 5 to 35 °C Time 30→ 2 to 3 → 30→ 2 to 3 min Under 5 cycles.	① Contact resistance: 30mΩ MAX. ② Insulation resistance: 1000MΩ MIN. ③ No damage, crack or looseness of parts.		X	—																		
Damp heat (Steady state)	Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.	① Contact resistance: 30mΩ MAX. ② Insulation resistance: 500MΩ MIN. ③ No damage, crack or looseness of parts.		X	—																		
Resistance to soldering heat	① Automatic soldering(frow) Solder temperature, 260 °C for Immersion,duration, 10 sec. ② Manual soldering Soldering iron temperature : 300 °C Soldering time: 2 sec. No strength on contact.	No deformation of case of excessive looseness of the terminals.		X	—																		
Solderability	Soldered at solder temperature, 230°C for insertion duration, 3sec.	Solder shall cover a minimum of 95 % of the surface being immersed.		X	—																		
Remarks Note 1:Including the temperature rise by current. Note 2:Apply to the condition of long term storage for unused products before pcb on board, after pcb board,operating temperature and humidity range is applied for interim storage during transportation. Note 3:Non-condensing.																							
	Count	Description of revisions	Designed	Checked	Date																		
Unless otherwise specified , refer to IEC 60512.			Approved	KI. AKIYAMA	15. 07. 28																		
			Checked	TS. FUKUSHIMA	15. 07. 27																		
			Designed	MI. SAKIMURA	15. 07. 27																		
			Drawn	MI. SAKIMURA	15. 07. 27																		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.		ELC-020818-08-00																		
	Specification sheet		Part no.	DF11-10DP-2DSA (08)																			
	Hirose electric co., ltd.		Code no.	CL543-0520-0-08	1/1																		