






Applicable standard					
Rating	Operating Temperature range	-35 °c to +85°c (Note1)	Storage Temperature range	-10 °c to +60°c (Note3)	
	Operating Humidity range	40% to 80% (Note2)	Storage Humidity range	40% to 70% (Note3)	
	Voltage	AC/DC 250V	Current	0.5A/pin	
	Applicable cable	UL1007 : AWG 30			
Specifications					
Item		Test method	Requirements	QT	AT
Construction					
General examination		Visually and by measuring instrument.	According to drawing.	X	X
Marking		Confirmed visually.		X	X
Electric characteristics					
Contact resistance		100 mA (DC OR 1000Hz).	30 mΩ MAX.	X	—
Mechanical characteristics					
Mechanical operation		30 times insertion and extraction.	1) Contact resistance: 30 mΩ MAX. 2) No damage, crack or looseness of parts.	X	—
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2h, for 3 directions.	1) No electrical discontinuity of 1 μ s. 2) No damage, crack or looseness of parts.	X	—
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.		X	—
Environmental characteristics					
Damp heat (steady state)		Exposed at 40 ± 2°C , 90 to 95 %, 96 h.	1) Contact resistance: 30 mΩ MAX. 2) No damage, crack or looseness of parts.	X	—
Rapid change of temperature		Temperature -55→5 to 35→+85→5 to 35°C Time 30→10 →30 →10 min Under 5 cycles.		X	—
Remarks					
Note1: Include the temperature rising by current. Note2: No condensing. Note3: Apply to the packaged and unused product. 					
	Count	Description of revisions	Designed	Checked	Date
	2	DIS-H-00017601	JN. TONAI	SZ. ONO	20230324
Unless otherwise specified, refer to IEC 60512.			Approved	SJ. OKAMURA	20210812
			Checked	SZ. ONO	20210812
			Designed	KT. NUMATA	20210812
			Drawn	NK. OOSHIMA	20210806
Note QT:Qualification test AT:Assurance test X:applicable test			Drawing No.		ELC-081077-00-00
	Specification sheet		Part No.	DF1B-30PC	
	Hirose electric co., Ltd.		Code No.	CL0541-0687-2-00	 1/1