Applicable standard				
Rating	Operating Temperature range	-35 °c to +85°c (Note1)	Storage Temperature range	-10 °c to +60°c (Note3)
	Operating Humidity range ⚠1	40% to 80% (Note2)	Storage Humidity range ⚠1	40% to 70% (Note3)
	Voltage	AC/DC 250V	Applicable cable	UL1007 ,1061: AWG24 to 28
	Current	AWG24 to 28：1A/pin	Applicable connector	DF1BA-*(D)EP-2.5RC DF1B-*(D)EP-2.5RC

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	20 mv MAX, 1mA(DC OR 1000Hz)	30 mΩ MAX.	X	—
Insulation resistance	500 V DC.	1000 mΩ MIN.		
Voltage proof	650 V for 1 min.	No flash over or breakdown.		
⚠1 **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 μs. 2) Contact resistance: 30 mΩ MAX.	X	—
Shock	490 m/s^2 duration of pulse 11 ms at 3 times for 3 directions.	3) No damage, crack or looseness of parts.	X	—
Environmental characteristics				
Damp heat (steady state)	Exposed at 40 ± 2℃ , 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℃ Time 30→10 →30 →10min 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
⚠1	5	DIS-H-00017601	JN. TONAI	SZ. ONO	20230324

Unless otherwise specified, refer to IEC 60512.

Approved	KJ. KATAYOSE	20050105
Checked	TY. OMA	20050105
Designed	TS. KUMAZAWA	20050105
Drawn	TS. KUMAZAWA	20050105

Note QT:Qualification test AT:Assurance test X:applicable test

Drawing No. ELC-021363-00-00

HRS

Specification sheet

Hirose electric co., Ltd.

Part No. DF1B-2428PC

Code No. CL0541-0665-0-00 ⚠1

FORM HD0011-2-1