Applicable standard					
Rating	Operating temperature range	-30°C to + 85°C(Note 1)	Storage temperature range	-10°C to + 60°C(Note 3)	
	Operating humidity range	40% to + 80%(Note 2)	Storage humidity range	40% to + 70%(Note 3)	
	Applicable contact	DF3-22SC＊ DF3-2428SC＊	Applicable cable	UL1007 AWG24 to 28 UL1061 AWG22 to 28	
	Voltage	250V AC	UL・CSA Rating	Voltage	30V AC
	Current	AWG 22 to 24 : 3A AWG 26 : 2A AWG 28 : 1A		Current	AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A ⚠2

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				
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 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 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 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→ 5MAX → 30→ 5MAX min Under 5 cycles.	① Insulation resistance: 1000MΩ MIN. ② No damage, crack or looseness of parts.	X	—
Damp heat (Steady state)	Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.	① Insulation resistance: 500MΩ MIN. ② No damage, crack or looseness of parts.	X	—

Remarks

Note 1:Including the temperature rise by current

Note 2:No condensing.

Note 3: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.

	Count	Description of revisions	Designed	Checked	Date
⚠2	1	DIS-H-00001155	MI.SAKIMURA	TS.FUKUSHIMA	15.12.04

Unless otherwise specified , refer to IEC 60512.			
	Approved	KJ.KATAYOSE	05.01.05
	Checked	KI.AKIYAMA	05.01.05
	Designed	TH.ARAI	05.01.05
	Drawn	TH.ARAI	05.01.05

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	Drawing no.	ELC-162387-00-01	
HRS Specification sheet	Part no.	DF3-＊S-2C	
Hirose electric co., ltd.	Code no.	CL543- ⚠2	1/1

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