Applicable standard					
Rating	Operating temperature range	-35 °C to +85 °C(Note1)		Storage temperature range	-10°C to +60 °C(Note3)
	Operating humidity range	20% to 80% (Note 2)		Storage humidity range	40% to 70%(Note3)
	Voltage	1000 V AC		Applicable cable	UL1430 : AWG14,16
	Current	AWG14	18 A	Applicable connector	DF22(A)-*(D)EP-7.92C
		AWG16	15 A		

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 Millivolt level method	20 mV MAX, 1mA (DC or 1000 Hz).	Initial resistance : 5 mΩ MAX.	X	–
MECHANICAL CHARACTERISTICS				
Mechanical Operation	30 times insertions and extractions.	① Contact resistance: 10 mΩ 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 1 μs. 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.		X	–
Environmental characteristics				
Damp heat (steady state)	Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.	① Contact resistance: 10 mΩ max. ② No damage, crack or looseness of parts.	X	–
Rapid change of temperature	Temperature –55 →5 to 35 → 85→5 to35°c Time 30 →5 MAX → 30→5 MAX min Under 5 cycles.	① Contact resistance: 10 mΩ max. ② No damage, crack or looseness of parts.	X	–

Remarks
Note 1: Include the temperature rising 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 on board, operating temperature and humiditty range is applied for interim storage during transportation.

	Count	Description of revisions	Designed	Checked	Date
⚠0					

Approved	KI.AKIYAMA	15.06.11
Checked	TS.FUKUSHIMA	15.06.11
Designed	HT.SATO	15.06.11
Drawn	MI.SAKIMURA	15.06.11

Unless otherwise specified, refer to IEC 60512.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

Drawing no. ELC-163623-00-00

HRS	Specification sheet	Part no.	DF22-1416PC	
	Hirose electric co., ltd.	Code no.	CL680-1080-2-00	⚠0 1/1

FORM HD0011-2-1