





Applicable standard					
Rating	Operating temperature range	-55°C to + 85°C(Note 1)	Storage temperature range	-10°C to + 60°C(Note 3)	
	Operating humidity range	20% to 80%(Note 2)	Storage humidity range	40% to 70% (Note 3)	
	Voltage	1000V AC/DC	Applicable connector	DF22-* (D) EP-7. 92C DF22#-* (D) EP-7. 92C	
	Current	AWG14 : 20A/pin AWG16 : 15A/pin	Applicable cable	UL1430/UL1007 AWG14, 16	
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	20mV MAX, 1mA (DC OR 1000 Hz).		5mΩ MAX.	X	—
Mechanical characteristics					
Mechanical operation	50 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 <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.			X	—
Environmental characteristics					
Rapid change of temperature	Temperature -55→ 5 to 35→+85→ 5 to 35 °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	—
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	—
Remarks 					
Note 1:Include the temperature rising by current. Note 2:No condensing. Note 3:Applicable to unused product packaging.					
	Count	Description of revisions	Designed	Checked	Date
	1	DIS-H-00005935	TS. KUMAZAWA	SZ. ONO	20200501
Unless otherwise specified , refer to IEC 60512.			Approved	HS. OKAWA	20170822
			Checked	TS. FUKUSHIMA	20170822
			Designed	MI. SAKIMURA	20170822
			Drawn	MI. SAKIMURA	20170822
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.	ELC-333344-00-00	
	Specification sheet		Part no.	DF22-1416PCFA	
	Hirose electric co., ltd.		Code no.	CL680-2002-4-00	 1/1