

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		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					
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	KJ. KATAYOSE	20050105
			Checked	TY. OMA	20050105
			Designed	HK. UMEHARA	20050105
			Drawn	HK. UMEHARA	20050105
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.	ELC-163621-00-00	
	Specification sheet		Part no.	DF22-1416PCF	
	Hirose electric co., ltd.		Code no.	CL680-1078-0-00	 1/1