

Applicable standard							
Rating	Operating temperature range	-55°C to + 85°C(Note 1)		Storage temperature range	-10°C to + 60°C(Note2)		
	Operating humidity range	20% to 80% (Note3)		Storage humidity range	40% to 70%(Note2)		
	Voltage	AC 1000V DC		Applicable Connector	DF22B*-1S-7.92C DF22C*-1S-7.92C DF22*-1EP-7.92C DF22A*-1EP-7.92C		
	Current(*1) Rating	AWG10	30A	Current (*2) rating of UL standards (At ambient temp.25°C) (Note 4)	AWG10	43A	
		AWG12	25A		AWG12	38A	
AWG14		20A	AWG14		26A		
AWG16		15A	AWG16		21A		
	Rated voltage	Rated current		Overvoltage Category	IP-Protection method		
UL	AC 600V	See table above left (*2)		—	—		
C-UL	AC 600V	See table above right(*1) (Temp.rise up 30°C MAX)		—	—		
TÜV	AC 600V	See table above right(*1)		II	IPOO		
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
Mechanical characteristics							
Mechanical operation		30 times insertions and extractions.		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.				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.		No damage, crack or looseness of parts.		X	—
Damp heat (Steady state)		Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.				X	—
Remarks							
Note 1:Including the temperature rising by current. Note 2: No condensing. Note 3:Apply to the condition of long term storage for unused products before harness assembly, After harness assembly, operating temperature and humidity range is applied for interim storage during transportation. Note 4:Indicates the current that corresponds to the RTI value (temperature at which performance is halved) of the resin when the ambient temperature is 25°C.							
	Count	Description of revisions	Designed		Checked		Date
							
Unless otherwise specified , refer to IEC 60512.				Approved	HS. OKAWA		20191125
				Checked	SZ. ONO		20191125
				Designed	TS. KUMAZAWA		20191125
				Drawn	TS. KUMAZAWA		20191125
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing no.		ELC-390347-00-00	
	Specification sheet		Part no.		DF22B/C-1RS/P-7. 92		
	HIROSE ELECTRIC CO., LTD.		Code no.		CL680-1214-0-00		 1/1