





Applicable standard					
Rating	Operating temperature range	-30°C to + 85°C (Note 1)	Storage temperature range	-10°C to + 60°C	
	Voltage	250V AC	UL · CSA Voltage	30V AC	
	Current	AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A	UL · CSA Rating 	Current	AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A
	Applicable contact	DF3-EP2428PCF (A) DF3-EP2428PC (A)	Applicable connector	DF3-*S-2C	
		Applicable cable	UL1061, 1007 AWG24 to 28		
Specifications					
Item	Test method	Requirements	QT	AT	
<b>Construction</b>					
General examination	Visually and by measuring instrument.	According to drawing.	X	X	
Marking	Confirmed visually.		X	X	
<b>Electric characteristics</b>					
Insulation resistance	500V DC.	1000MΩ MIN.	X	-	
Voltage proof	650V AC for 1 min.	No flashover or breakdown.	X	-	
<b>Mechanical characteristics</b>					
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.	① No electrical discontinuity of 1μs.	X	-	
Shock	490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.	② No damage, crack or looseness of parts.	X	-	
<b>Environmental characteristics</b>					
Rapid change of temperature	Temperature -55→ 5 to 35→+85→ 5 to 35 °c Time 30→ 5 to 15 → 30→ 5 to 15 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: 1000MΩ MIN. ② No damage, crack or looseness of parts.	X	-	
	count	description of revisions	designed	checked	date
	1	DIS-H-00001155	MI. SAKIMURA	TS. FUKUSHIMA	15. 12. 04
Remarks			Approved	KJ. KATAYOSE	05. 01. 05
Note 1:Including the temperature rise by current.			Checked	KI. AKIYAMA	05. 01. 05
			Designed	TH. ARAI	05. 01. 05
Unless otherwise specified , refer to IEC 60512.			Drawn	TH. ARAI	05. 01. 05
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	Drawing no.	ELC-162330-00-01		
	Specification sheet		Part no.	DF3-*EP-2C	
	Hirose electric co., ltd.		Code no.	GL543	 1/1