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 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

Applicable standard						
Rating	Operating temperature range	-55°C to + 105°C(Note 1)	Storage temperature range	-10°C to + 60°C(Note 3)		
	Operating humidity range	40% to + 80%(Note 2)	Storage humidity range	40% to + 70%(Note 3)		
	Applicable contact	DF3-22SC * DF3-2428SC *	Applicable cable	UL1007 AWG24 to 28 UL1061 AWG22 to 28		
	Voltage	250V AC/DC	UL·CSA Rating	Voltage	30V AC/DC	
	Current	AWG 22 to 24 : 3A/pin AWG 26 : 2A/pin AWG 28 : 1A/pin		Current	AWG 24 : 3A/pin AWG 26 : 2A/pin AWG 28 : 1A/pin 	
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>						
Mechanical operation	50 times insertions and extractions.		1) 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 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.		1) 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→ 5MAX → 30→ 5MAX 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: 500MΩ MIN. 2) No damage, crack or looseness of parts.		X	—
<b>Remarks</b>						
Note 1:Including the temperature rise by current Note 2:No condensing. Note 3:Apply to an unused product on the packaged condition.						
	Count	Description of revisions	Designed	Checked	Date	
	1	DIS-H-00008205	SN. MIWA	SZ. ONO	20210312	
Unless otherwise specified , refer to IEC 60512.				Approved	KJ. KATAYOSE	20050105
				Checked	KI. AKIYAMA	20050105
				Designed	TH. ARAI	20050105
				Drawn	TH. ARAI	20050105
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.	ELC-162387-00-01		
	Specification sheet		Part no.	DF3-*S-2C		
	Hirose electric co., ltd.		Code no.	CL543-		1/1