






APPLICABLE STANDARD				Storage Temperature Range		-10 °C to 60 °C ⁽²⁾							
Rating	Operating Temperature Range	-55 °C to 85 °C ⁽¹⁾		Storage Humidity Range		Relative humidity 85% max (Not dewed)							
	Voltage	50 V AC		Operating Humidity Range									
	Current	0.7 A 											
SPECIFICATIONS													
ITEM		TEST METHOD		REQUIREMENTS									
CONSTRUCTION													
General Examination		Visually and by measuring instrument.		According to drawing.									
Marking		Confirmed visually.		<table><tr><td></td><td>x</td><td>x</td></tr><tr><td></td><td>x</td><td>x</td></tr></table>					x	x		x	x
	x	x											
	x	x											
ELECTRIC CHARACTERISTICS													
Contact Resistance		100 mA(DC or 1000Hz)	70m Ω MAX.	x	—								
Insulation Resistance		100 V DC.	100 MΩ MIN.	x	—								
Voltage Proof		150 V AC for 1 min.	No flashover or breakdown.	x	x								
MECHANICAL CHARACTERISTICS													
Insertion and Withdrawal Forces		Measured by applicable connector.	Insertion Force: 62 N MAX. Withdrawal Force: 6.2 N MIN.	x	—								
Mechanical Operation		50 times insertions and extractions.	① Contact Resistance : 80m Ω MAX. ② No damage, crack and looseness of parts.	x	—								
Vibration		Frequency 10 to 55 to 10Hz, approx 5min Single amplitude : 0.75 mm, 10 cycles for 3 axial directions.	① No electrical discontinuity of 1 μs. ② No damage, crack and looseness of parts.	x	—								
Shock		490 m/s ² , duration of pulse 11 ms at 3 times for 3 both axial directions.		x	—								
ENVIRONMENTAL CHARACTERISTICS													
Damp Heat (Steady state)		Exposed at 40±2 °C, 90 ~ 95 %, 96 h.	① Contact Resistance : 80m Ω MAX. ② Insulation Resistance: 100 MΩ MIN. ③ No damage, crack and looseness of parts.	x	—								
Rapid Change of Temperature		Temperature -55 → +85 °C Time 30 → 30 min. under 5 cycles. (Relocation time to chamber : within 2~3 MIN)		x	—								
Cold		Exposed at -55°C, 96 h	① Contact Resistance : 80m Ω ② No damage, crack and looseness of parts.	x	—								
Dry Heat		Exposed at 85°C, 96 h		x	—								
Sulfur Dioxide		Exposed at 25±2°C, 75±5%RH, 25 PPM for 96 h. (Test standard: JIS C 60068)	① No defect such as corrosion which impairs the function of connector. ② Contact Resistance : 80m Ω	x	—								
Resistance to Soldering Heat		1)Reflow soldering : Peak TMP : 260°C MAX Reflow TMP: 220°C MIN for 60sec 2) Soldering irons : 360°C MAX. for 5 sec.	No deformation of case of excessive looseness of the terminal.	x	—								
Solderability		Soldered at solder temperature 245±3°C. for immersion duration, 3 sec. 	A new uniform coating of solder shall cover a minimum of 95 % of the surface being immersed.	x	—								
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED		DATE							
 1	D1S-F-007685		AH. EDASHIGE	KN. SHIBUYA		14.10.29							
REMARKS ⁽¹⁾ Include temperature rise caused by current-carrying. ⁽²⁾ "STORAGE" means a long-term storage state for the unused product before assembly to PCB. Decapitalized  Unless otherwise specified, refer to JIS-C-5402.													
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-352599-00								
SPECIFICATION SHEET			PART NO.	FX22-80P-0.5SH									
HIROSE ELECTRIC CO., LTD.			CODE NO.	CL572-3004-2-00									
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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.