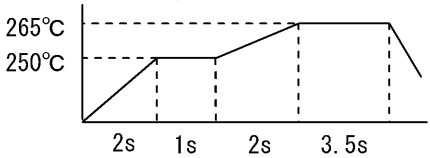


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾
	VOLTAGE	100 V AC ⁽³⁾		OPERATING HUMIDITY RANGE	40 % TO 80 %
	CURRENT	0.5 A ⁽³⁾		STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾
	APPLICABLE CABLE	AWG 36,40 THIN COAXIAL CABLE			
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×
MARKING		CONFIRMED VISUALLY.			×
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		20 mV MAX, 1 mA(DC OR 1000Hz)		80 mΩ MAX. ⁽⁴⁾	×
INSULATION RESISTANCE		100 V DC.		500 MΩ MIN.	×
VOLTAGE PROOF		300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	×
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 30.6 N MAX. WITHDRAWAL FORCE: 2.55 N MIN.	×
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 100 mΩ MAX. ⁽⁴⁾ ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGL AMPLITUDE : 0.76 mm, AT 2 h FOR 3 DIRECTION.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			×
LOCK STRENGTH		MATE TO APPLICABLE CONNECTOR AND APPLY PULL FORCE HORIZONTALLY.		30 N MIN.	×
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 100 mΩ MAX. ⁽⁴⁾ ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×
DRY HEAT		EXPOSED AT 85±2 °C, 96 h			×
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+5~+35→+85→+5~+35°C TIME 30→ 5 MAX→ 30→ 5 MAX min. UNDER 5 CYCLES.			×
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 100 mΩ MAX. ⁽⁴⁾	×
SULFUR DIOXIDE		EXPOSED IN 25 PPM FOR 96 h. (TEST STANDARD: JIS C 60068) 		② DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR. 	×
RESISTANCE TO SOLDERING HEAT		1)SOLDERING HEAT WELDER : PRESSURIZATION:15±2N HEATING:265±5°C, 3.5±0.5 sec  2) SOLDERING IRONS : 360°C MAX. FOR 3 sec.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	×
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE 240±3°C FOR IMMERSION DURATION, 3 sec.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	2	DIS-F-001895	KN. SHIBUYA	HT. YAMAGUCHI	07. 04. 24
REMARKS ⁽¹⁾ INCLUDE TEMPRERATURE RISE CAUSED BY CURRENT-CARRYING. ⁽²⁾ "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB. ⁽³⁾ IT IS THE MAXIMUM VALUE OF CONNECTOR. CONFIRM THE SPECIFICATION OF THE CABLE. ⁽⁴⁾ NOT INCLUDE CONDUCTOR RESISTANCE OF CABLE.			APPROVED	HS. OKAWA	07. 04. 02
			CHECKED	HT. YAMAGUCHI	07. 04. 02
			DESIGNED	KN. SHIBUYA	07. 03. 30
			DRAWN	KN. SHIBUYA	07. 03. 30
Unless otherwise specified, refer to JIS-C-5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-156669-00
	SPECIFICATION SHEET		PART NO.	FX15S-51P-0. 5SD	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL575-2118-5-00	 1/1