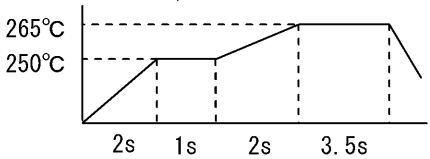


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾	
	VOLTAGE	100 V AC ⁽³⁾	OPERATING HUMIDITY RANGE	40 % TO 80 %	
	CURRENT	0.5 A ⁽³⁾	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾	
	APPLICABLE CABLE	AWG 36,40 THIN COAXIAL CABLE			
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	x	x
MARKING	CONFIRMED VISUALLY.			x	x
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)		80 mΩ MAX. ⁽⁴⁾	x	
INSULATION RESISTANCE	100 V DC.		500 MΩ MIN.	x	
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	x	
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 24.6 N MAX. WITHDRAWAL FORCE: 2.05 N MIN.	x	
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 100 mΩ MAX. ⁽⁴⁾ ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	
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.	x	
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			x	
LOCK STRENGTH	MATE TO APPLICABLE CONNECTOR AND APPLY PULL FORCE HORIZONTALLY.		30 N MIN.	x	
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.	x	
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.			x	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 100 mΩ MAX. ⁽⁴⁾ ② DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR.	x	
SULFUR DIOXIDE	EXPOSED IN 25 PPM FOR 96 h. (TEST STANDARD: JIS C 60068)			x	
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.	x	
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 IMMERSERD.	x	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	△				
REMARKS ⁽¹⁾ INCLUDE TEMPREATURE 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	07.05.11
			CHECKED	HT. YAMAGUCHI	07.05.11
			DESIGNED	KN. SHIBUYA	07.05.10
Unless otherwise specified, refer to JIS-C-5402.			DRAWN	KN. SHIBUYA	07.05.10
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-156254-00	
HRS	SPECIFICATION SHEET		PART NO.	FX15S-41P-0.5SD	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL575-2110-3-00	△ 1/1