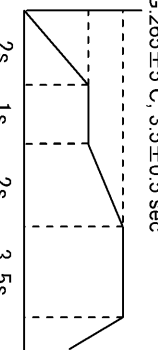


In case of consideration for using Autom otive equ pm ent./device which dem and high re liability, kindly contactour sales w indow correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
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
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 ms 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 265°C 250°C  2) SOLDERING IRONS : 360°C. MAX. FOR 3 sec.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.		x	
SOLDERABILITY	2) SOLDERING IRONS : 360°C. MAX. FOR 3 sec. 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.		x	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE		
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. ⁽³⁾ IT IS THE MAXIMUM VALUE OF CONNECTOR. CONFIRM THE SPECIFICATION OF THE CABLE. ⁽⁴⁾ NOT INCLUDE CONDUCTOR RESISTANCE OF CABLE.							
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.		QL575-2110-3-00	
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