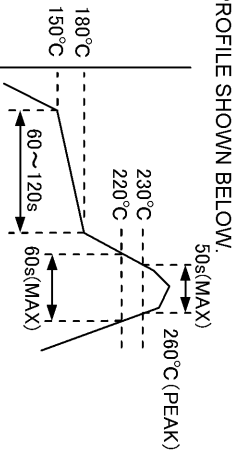


In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>			
	VOLTAGE	100 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %			
	CURRENT	0.5 A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>			
<b>SPECIFICATIONS</b>							
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)	60 mΩ MAX. <sup>(3)</sup>		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: 30.6 N MAX. WITHDRAWAL FORCE: 2.55 N MIN.		x		
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRactions.	① CONTACT RESISTANCE: 80 mΩ MAX. <sup>(3)</sup> ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x		
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGL AMPLITUDE : 0.75 mm, FOR 2 h IN 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x		
SHOCK		490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.			x		
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 80 mΩ MAX. <sup>(3)</sup> 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: 80 mΩ MAX. <sup>(3)</sup> ② NO HEAVY CORROSION.		x		
SULFUR DIOXIDE		EXPOSED IN 25 PPM FOR 96 h. (TEST STANDARD: JIS C 60068)			x		
RESISTANCE TO SOLDERING HEAT		1)REFLOW SOLDERING : REFLOW 2 TIMES UNDER THE TEMPERATURE PROFILE SHOWN BELOW. 	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.		x		
SOLDERABILITY		2) SOLDERING IRONS : 360°C MAX. FOR 5 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		
REMARKS	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	APPROVED	HS. OKAWA	07.07.26
					CHECKED	EJ. WAKATSUKI	07.07.26
					DESIGNED	TH. NODA	07.07.25
					DRAWN	TH. NODA	07.07.25
Note		QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-156704-00	
<b>HRS</b>		SPECIFICATION SHEET		PART NO.		FX15SC-51S-0.5SH	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		QL575-2311-5-00	
						△ 1/1	