

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	0.4 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	x
MARKING		CONFIRMED VISUALLY.			x	x	x
<b>ELECTRIC CHARACTERISTICS</b>							
CONTACT RESISTANCE	100 mA (DC or 1000 Hz).		45 mΩ MAX.		x		
MILLIVOLT LEVEL METHOD	20 mV MAX. 1 mA(DC OR 1000Hz)		55 mΩ MAX.		x		
INSULATION RESISTANCE	250 V DC.		100 MΩ MIN.		x		
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		x		
<b>MECHANICAL CHARACTERISTICS</b>							
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 55 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x		
VIBRATION	FREQUENCY 10 TO 55 Hz. AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 55 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x		
SHOCK	490 ms <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				x		
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 55 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE:-55→+15~+35→ +85→+15~+35°C TIME 30 → 2~ 3 → 30 → 2~ 3 min UNDER 5 CYCLES.				x		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.		x		
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)				x		
RESISTANCE TO SOLDERING HEAT	1)AUTOMATIC SOLDERING (REFLOW) SOLDER TEMPERATURE, 250°C MAX 220°C MIN. FOR 60 sec. 2)MANUAL SOLDERING SOLDERING IRON TEMPRATURE: 360±10°C SOLDERING TIME : 5 sec MAX NO STRENGTH ON CONTACT.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		x		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240±3°C, FOR IMMERSION DURATION, 3 s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		x		
Δ	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
<b>REMARK</b> <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. Unless otherwise specified, refer to JIS-C-5402.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-150564-25				
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	FX8-60P-SV (71)				
	HIROSE ELECTRIC CO., LTD.	CODE NO.	QL578-0001-6-71				
							1/1
		APPROVED	HS. OKAWA	05.06.27			
		CHECKED	HS. OZAWA	05.06.27			
		DESIGNED	TH. NODA	05.06.22			
		DRAWN	TH. NODA	05.06.22			