

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
MARKING		CONFIRMED VISUALLY.				x	x
<b>ELECTRIC CHARACTERISTICS</b>							
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	45 mΩ MAX.	x				
CONTACT RESISTANCE 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 m/s <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) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s	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 IMMERSUED.		x			
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
△ 1	DIS-F-000293	KI. D01	HS. OZAWA	05.07.28			
<b>REMARK</b>				APPROVED	YK. YOSHIMURA	03.03.06	
(1)TEMPERATURE RISE INCLUDED WHEN ENERGIZED.				CHECKED	HS. OKAWA	03.03.06	
(2)THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.				DESIGNED	KY. MAKAMURAKI, D01	03.03.06	
Unless otherwise specified, refer to JIS C 5402.				DRAWN	KY. MAKAMURA	03.03.06	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-150726-22			
<b>HRS</b>		SPECIFICATION SHEET		PART NO.		FX8-*P-SV (92)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL578	
FORM HD0011-2-1						△ 1/1	