

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

APPLICABLE STANDARD				STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ^①
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ^①		OPERATING HUMIDITY RANGE	40 % TO 80 %
	VOLTAGE	100 V AC		STORAGE HUMIDITY RANGE	40 % TO 70 % ^②
	CURRENT	0.4 A			
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS		Q/T	A/T
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		X	X
MARKING	CONFIRMED VISUALLY.			X	X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 HZ).	45 mΩ MAX.		X	-
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)	55 mΩ MAX.		X	-
MILLIVOLT LEVEL METHOD					
INSULATION RESISTANCE	250 V DC	100 MΩ MIN.		X	-
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		X	-
MECHANICAL CHARACTERISTICS					
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, 2 hrs IN 3 DIRECTIONS.	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 ² , 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 hrs.	① CONTACT RESISTANCE: 55 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.		X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 → +15 ~ +35 → +85 → +15 ~ +35°C TIME 30 → 2 ~ 3 → 30 → 2 ~ 3 min 5 CYCLES.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.	① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.		X	-
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 hrs. (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 TEMPERATURE: 360 °C SOLDERING TIME : 5 sec MAX	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240°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	
REMARK	① TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ② 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 Q/T:Qualification Test A/T:Assurance Test X:Applicable Test	APPROVED	HS. OKAWA	05.10.11	
		CHECKED	HS. OZAWA	05.10.11	
		DESIGNED	TK. YANAGISAWA	05.10.01	
		DRAWN	TK. YANAGISAWA	05.10.01	
DRAWING NO.		ELG4-150571-21			
HRS					
SPECIFICATION SHEET		PART NO.	FX8-100P-SV1 (91)		
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL578-0045-1-91		
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