

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

TO
PCK

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
2	RE-F-09653	K.N	H.Y	04.04.06	△				
1	RE-F-10251	K.D	H.O	05.02.02	△				

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		STORAGE TEMPERATURE RANGE	
		-55 °C TO 85 °C		-10 °C TO 60 °C	
RATING		VOLTAGE		OPERATING HUMIDITY RANGE	
		100 V AC		40 % TO 80 %	
CURRENT		0.4 A		STORAGE HUMIDITY RANGE	
				40 % TO 70 %	

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
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GENERAL EXAMINATION	CONFIRMED VISUALLY.		×	×
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MARKING	CONFIRMED VISUALLY.		×	×
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ELECTRIC CHARACTERISTICS				
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CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	80 mΩ MAX. (1)	×	
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CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX. 1 mA(DC OR 1000Hz)	100 mΩ MAX. (2)	×	
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INSULATION RESISTANCE	250 V DC.	100 MΩ MIN.	×	
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VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	
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MECHANICAL CHARACTERISTICS				
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INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: (0.7 x ※※) N MAX. WITHDRAWAL FORCE: (0.065 x ※※) N MIN.	×	
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MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100 mΩ MAX. (2) OF PARTS. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
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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: 100 mΩ MAX. (2) ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
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SHOCK	480 ms ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	
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ENVIRONMENTAL CHARACTERISTICS				
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DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 100 mΩ MAX. (2) ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
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RAPID CHANGE OF TEMPERATURE	TEMPERATURE: 55→+15→+35→+85→+15→+35°C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.		×	
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CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 100 mΩ MAX. (2) ② NO HEAVY CORROSION.	×	
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HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)		×	
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RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING: 250 °C MAX. : 220 °C MIN, FOR 60 s FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	
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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 IMMERSSED.	×	
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REMARKS (1) THIS CONNECTOR'S INITIAL CONTACT RESISTANCE SHALL BE 80 mΩ, BECAUSE OF THE BULK RESISTANCE OF STACKING HEIGHT 16 mm TYPE. (2) AFTER TEST, THE CHANCE OF THE CONTACT RESISTANCE SHALL BE 20 mΩ MAX. Unless otherwise specified, refer to JIS C 5402.	Drawn	DESIGNED	CHECKED	APPROVED	RELEASED
	S. SUZUKI	K. NAKAMURA	H. OKAWA	Y. YOSHIMURA	

Note QT: Qualification Test AT: Assurance Test X: Applicable Test

<p>HRS HIROSE ELECTRIC CO., LTD.</p> <p>CODE NO. (OLD) CL</p>	<p>DRAWING NO. ELC4 - 151022 - 22</p>	<p>SPECIFICATION SHEET</p>	<p>PART NO. FX8C-※※S-SV(92)</p>
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