

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

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
△					△				

APPLICABLE STANDARD		BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
OPERATING TEMPERATURE RANGE	-40 °C TO 85 °C (1)								
RATING VOLTAGE	100 V AC								
CURRENT	0.5 A								

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
INSULATION RESISTANCE	100 V DC.	500 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.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.		X	
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	
LOCK STRENGTH	MATE TO APPLICABLE CONNECTOR AND APPLY PULL FORCE HORIZONTALLY.	20 N MIN.	X	
LANCE STRENGTH	INSERT APPLICABLE CONTACT AND PULL CABLE.	5 N MIN.	X	
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① INSULATION RESISTANCE: 500 MΩ MIN. ② 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.	NO HEAVY CORROSION.	X	
SULFUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS-C-0090)		X	

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
(1) INCLUDE TEMPERATURE RISE OF CURRENT CARRYING. (2) STORAGE MEANS LONG-TERM STORAGE STATE BEFORE ASSEMBLY TO PCB.	<i>N. Shikuya</i>	<i>N. Shikuya</i>	<i>N. Yamaguchi</i>	<i>H. Okawa</i>	

Unless otherwise specified, refer to JIS C 5402.

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

HR5 HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	FX15-31P-C
CODE NO.(OLD)	DRAWING NO.	CODE NO.	
CL	ELC4 - 155326	CL 575-2101-2	

FORM No 231-1