

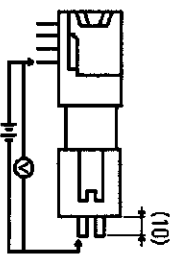
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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

APPLICABLE STANDARD			
OPERATING TEMPERATURE RANGE		-55 °C TO 85 °C	
STORAGE TEMPERATURE RANGE		°C TO °C	
RATING			
VOLTAGE	250 V AC	OPERATING HUMIDITY RANGE	% TO %
CURRENT	0.5 A	APPLICABLE CABLE	

SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	Q/T	A/T
CONSTRUCTION				
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○ ○
MARKING	CONFIRMED VISUALLY.			○ ○
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	□1>	35 mΩ MAX.	○ ○
INSULATION RESISTANCE	500 V DC.		500 MΩ MIN.	○ ○
VOLTAGE PROOF	500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	○ ○
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		19.7 N MIN. 73.5 N MAX.	○ —
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTATIONS.	□1>	① CONTACT RESISTANCE: 35 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ —
VIBRATION	FREQUENCY 10 TO 55 HZ, SINGLE AMPLITUDE 0.75 mm, — m/s² AT 2 h, FOR 3 DIRECTIONS.		NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ —
SHOCK	490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			○ —
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ —
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90~95 %, 96 h.		INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 100 MΩ MIN. (AT DRY)	○ —
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	○ —
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 10 ± 1 s.		NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	○ —
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ± 2 °C FOR IMMERSION, DURATION 3 ± 1 s.		MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	○ —

NOTE □1> MEASUREMENT POINT OF CONTACT RESISTANCE



(10)

REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.		03.10.10	03.10.10	03.10.15	03.10.15	
Note Q1: Qualification Test AT: Assurance Test □: Applicable Test						

HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO.	
CODE NO. (OLD)	DRAWING NO.	CODE NO.			
CL	ELC4-120261-01	CL230-5214-0-50			

TO	Q		