

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	- 40 °C TO 85 °C			STORAGE TEMPERATURE RANGE	°C TO °C			
	VOLTAGE	125 V AC			OPERATING HUMIDITY RANGE	% TO %			
	CURRENT	1 A			APPLICABLE CABLE				
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			40 mΩ MAX.			○	○
INSULATION RESISTANCE		250 V DC.			1000 MΩ MIN.			○	-
VOLTAGE PROOF		350 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○	○
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE 27.6 N MAX. EXTRACTION FORCE 27.6 N MAX.			○	-
MECHANICAL OPERATION		20000 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: 60 mΩ MAX.			○	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
ENVIRONMENTAL CHARACTERISTICS									
DRY HEAT		EXPOSED AT 85 °C, 500 h.			① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 15 ~ 35 → 85 → 15 ~ 35 °C TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 ~ 95 %, 96 h.			① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY.) ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.			○	-
MIXED GAS CORROSION		EXPOSED IN SO ₂ 10 ppm, H ₂ S 3 ppm, 70 ~ 80 % RH, 96 h.						○	-
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to JIS C 5402.				<i>B. Hanaya</i>	<i>B. Hanaya</i>	<i>Y. Enami</i>	<i>H. Miura</i>		
				03.10.29	03.10.29	03.10.30	03.10.30		
Note QT:Qualification Test AT:Assurance Test O:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. 3540-10P-CV(50)		
CODE NO.(OLD)		DRAWING NO.		CODE NO.					
CL		ELC4-120712-02		CL235-0010-4-50		1/1			

FORM No.231-1

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