

		DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△				
△						△				
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	- 3 5 °C TO 8 5 °C(NOTE1)				STORAGE TEMPERATURE RANGE	- 1 0 °C TO 6 0 °C			
	VOLTAGE	5 0 V A C				APPLICABLE CONNECTOR	DF23A/C-18DS-0.5V			
	CURRENT	0. 3 A								
SPECIFICATIONS										
ITEM		TEST METHOD				REQUIREMENTS			QT	AT
CONSTRUCTION										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.			x	x
MARKING		CONFIRMED VISUALLY.							x	x
ELECTRICAL CHARACTERISTICS										
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).				60 mΩ MAX.			x	-
INSULATION RESISTANCE		100 V DC.				500 MΩ MIN.			x	-
VOLTAGE PROOF		150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.			x	-
MECHANICAL CHARACTERISTICS										
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE: 28 N MAX. EXTRACTION FORCE: 2.7 N MIN.			x	-
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			x	-
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			x	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			x	-
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 250 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			x	-
RAPID CHANGE OF TEMPERATURE		TEMPERATURE: -55→ 5 TO 35→85→ 5 TO 35 °C TIME: 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.				① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			x	-
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.			x	-
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)				① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.			x	-
REMARKS										
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
					T.Yamamoto '03.10.1	J.Yamamoto '03.10.2	K.Akayama '03.10.2	K.Akayama '03.10.2		
Unless otherwise specified, refer to IEC60512										
Note QT: Qualification Test AT: Assurance Test x: Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.						SPECIFICATION SHEET			PART NO.	
CODE NO.(OLD)						DRAWING NO.			CODE NO.	
CL						ELC4-164161-01			CL688-0808-7-91	
1/1										

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