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	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
<b>APPLICABLE STANDARD</b>										
<b>RATING</b>	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/G-40DS-0.5V				
	CURRENT	0. 3 A								
<b>SPECIFICATIONS</b>										
<b>ITEM</b>	<b>TEST METHOD</b>				<b>REQUIREMENTS</b>				<b>QT</b>	<b>AT</b>
<b>CONSTRUCTION</b>										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.				x	x
MARKING		CONFIRMED VISUALLY.							x	x
<b>ELECTRICAL CHARACTERISTICS</b>										
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	—
<b>MECHANICAL CHARACTERISTICS</b>										
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 50 N MAX. EXTRACTION FORCE: 6.0 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 <sup>2</sup> 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	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>										
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	
					F.Matsuki '04.01.15	<i>J. Yamato</i> '04. 1. 15	<i>T. Sakata</i> '04. 1. 16	<i>T. Sakata</i> '04. 1. 16		
Unless otherwise specified, refer to IEC 60512.										
Note QT: Qualification Test AT: Assurance Test x: Applicable Test										
<b>HS</b> HIROSE ELECTRIC CO., LTD.					<b>SPECIFICATION SHEET</b>			PART NO. DF23C-40DP-0.5V(92)		
CODE NO.(OLD) CL			DRAWING NO. ELC4-164005-02			CODE NO. CL688-0803-3-92			1 1	



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