

		DESCRIPTION OF REVISIONS		BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS		BY	CHKD	DATE	
△							△							
△							△							
APPLICABLE STANDARD														
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO 85 °C(NOTE1)				STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C						
	VOLTAGE	50 V AC				APPLICABLE CONNECTOR		DF23A/C-18DS-0.5V						
CURRENT	0.3 A													
<b>SPECIFICATIONS</b>														
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 <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	-
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					DRAWN		DESIGNED	CHECKED	APPROVED	RELEASED				
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					T.Yamamoto '03.10.1		<i>T.Yamamoto</i>	<i>K.Sugiyama</i>	<i>K.Sugiyama</i>					
Unless otherwise specified, refer to IEC60512							'03.10.2	'03.10.2	'03.10.2					
Note QT: Qualification Test AT: Assurance Test ×: Applicable Test														
<b>HIROSE</b> HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET					PART NO. DF23C-18DP-0.5V(92)							
CODE NO.(OLD) CL		DRAWING NO. ELC4-164161-04					CODE NO. CL688-0808-7-92							
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