

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		
△					△						
△					△						
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE 1)			STORAGE TEMPERATURE RANGE	-10°C TO +60 °C					
	VOLTAGE	30V AC			APPLICABLE CABLE	DF18B(C)-*DS-0.4V(* *)					
	CURRENT	0.3 A									
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		100mA (DC OR 1000 Hz).			60 mΩ MAX.			×	—		
INSULATION RESISTANCE		100 V DC.			50 MΩ MIN.			×	—		
VOLTAGE PROOF		100 V AC FOR 1 min.			NO FLASH OVER OR BREAKDOWN.			×	—		
MECHANICAL CHARACTERISTICS											
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—		
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLEAMPLITUDE 0.75mm, AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			×	—		
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.			② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—		
ENVIRONMENTAL CHARACTERISTICS											
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: 50MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—		
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90~95 %, 96 h.			① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—		
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			① CONTACT RESISTANCE: 120 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—		
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)						×	—		
REMARKS											
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT				DRAWN J.Nakamura '01.03.21		DESIGNED <i>M. Goto</i> '01.03.23		CHECKED <i>K. Abiyama</i> '01.3.23		APPROVED <i>K. Katayama</i> '01.3.23	
Unless otherwise specified, refer to MIL-STD-1344.											
Note QT: Qualification Test AT: Assurance Test ×:Applicable Test											
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. DF18D-*DP-0.4V(51)			
CODE NO.(OLD) CL			DRAWING NO. ELC4-163911-01			PEART NO CL684			1 1		

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