

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△ 6	RE-H-05037	M.G	T.O	02.05.16	△				
△					△				

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
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CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×

ELECTRIC CHARACTERISTICS

△ CONTACT RESISTANCE	20mV AC OR LESS 1kHz , 1mA.	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 10Hz TO 55Hz TO 10Hz, APPROX 5min, SINGLE AMPLITUDE 0.75mm, 10CYCLES, 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→15 TO 35→+85→15 TO 35 °C TIME 30→2 TO 3 → 30→2 TO 3 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 50M Ω 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: 25M Ω 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 25 PPM FOR 96 h. (TEST STANDARD: IEC 60068-2-42)		×	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.	J.Nakamura	M.Goto	K.Akiyama	K.Katayose	
Unless otherwise specified, refer to IEC 60512.△	'01.03.21	'01.03.23	'01.03.23	'01.03.23	

Note QT: Qualification Test AT: Assurance Test ×: Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	DF18#- *DP-0.4V(51)△
CODE NO.(OLD)	DRAWING NO.	PEART NO	
CL	ELC4-163684-02	CL684	1/1

TO