

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 CONNECTOR	DF40*-*DS-0.4V
	CURRENT	0.3A		
<b>SPECIFICATIONS</b>				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	20mV AC OR LESS 1kHz, 1m A.	90mΩ MAX.	X	—
INSULATION RESISTANCE	100V DC.	50MΩ MIN.	X	—
VOLTAGE PROOF	100V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
<b>MECHANICAL CHARACTERISTICS</b>				
MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTATIONS.	① CONTACT RESISTANCE: 90mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min, SINGLE AMPLITUDE 0.75 mm, 10CYCLES, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR 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 OR LOOSENESS OF PARTS.	X	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5 TO 35→85→ 5 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 90mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 90mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75%.	① CONTACT RESISTANCE: 180mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
			X	—
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
REMARKS		APPROVED	KH. IKEDA	08.06.27
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT		CHECKED	AR. TAKAHASHI	08.06.27
		DESIGNED	TK. SUZUKI	08.06.27
Unless otherwise specified, refer to JIS C 5402, IEC 60512.		DRAWN	TK. SUZUKI	08.06.27
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-311351-01	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF40C-*DP-0.4V (51)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL684	△ 1/1