

<b>APPLICABLE STANDARD</b>					
RATING	OPERATING TEMPERATURE RANGE	-35°C TO + 85°C (NOTE 1)		STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 2)
	VOLTAGE	150V AC		APPLICABLE CONNECTOR	DF13/DF13A-40DP-1. 25V (55)
	CURRENT	1A			DF13/DF13A-40DP-1. 25V (56)
<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		100m A (DC OR 1000 Hz).		30mΩ MAX.	X -
INSULATION RESISTANCE		100V DC.		500MΩ MIN.	X -
VOLTAGE PROOF		500V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X -
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION		50TIMES INSERTIONS AND EXTRACTATIONS.		① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR 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 1μs. 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.			X -
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5 TO 35 → +85 → 5 TO 35 °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ 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: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X -
CORROSIN, SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48h.		NO HEAVY CORROSION.	X -
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96h. (TEST STANDARD: JEIDA-39)		NO HEAVY CORROSION.	X -
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 ± 5°C, FOR IMMERSION, DURATION, 5S.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X -
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 230 ± 10°C FOR INSERTION DURATION, 3 SECONDS.		SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.	X -
REMARKS					
NOTE 1: INCLUDING THE TEMPERATURE RISE BY CURRENT.					
NOTE 2: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD AFTER PCBBOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.					
Unless otherwise specifid, refer to JIS C 5402.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
			APPROVED	TY. OMA	06.02.02
			CHECKED	HK. UMEHARA	06.02.02
			DESIGNED	TS. KUMAZAWA	06.01.31
			DRAWN	AK. MIURA	06.01.25
Note QT: Qualification Test AT: Assurance Test X: Applicable Test			DRAWING NO.		ELC4-160787-02
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	DF13-40DS-1. 25DSA (55)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL536-0635-3-55	△ 1/1