APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−35°C TO + 85°C (NOTE1)	STORAGE TEMPERATURE RANGE	−10°C TO + 60°C
	OPERATING HUMIDITY RANGE	40 % TO 80 % (NOTE2)	STORAGE HUMIDITY RANGE	40 % TO 70 % (NOTE3)
	VOLTAGE	250V AC	APPLICABLE CONNECTOR	DF1-∗S-2.5C(#)
	CURRENT	AWG 24 : 3 A AWG 26 : 2 A AWG 28 : 1 A	APPLICABLE CONTACT	DF1-2428SC(F)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA(DC OR 1000HZ).	30 mΩ MAX.	X	−
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	−
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	−
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ 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 1 μs.	X	−
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	−
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 →5 TO 35 →+85→5 TO35°C TIME 30 →10TO15 →30 →10 TO 15min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	−
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		X	−
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260±5 °C, FOR. IMMERSION,DURATION, 10s. △1	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	−
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230±5°C FOR INSERTION DURATION, 5s.	SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	−

REMARKS
NOTE1 : INCLUDING THE TEMPERATURE RISE BY CURRENT.
NOTE2 : NON-CONDENSING.
NOTE3 : APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD,OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1	1		MI. SAKIMURA	HK. UMEHARA	10. 05. 24

Unless otherwise specified, refer to JIS C 5402.

APPROVED	KJ. KATAYOSE	05. 01. 05
CHECKED	TY. OMA	05. 01. 05
DESIGNED	TS. KUMAZAWA	05. 01. 05
DRAWN	TS. KUMAZAWA	05. 01. 05

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

DRAWING NO. ELC4-162343-10

HRS	SPECIFICATION SHEET	PART NO.	DF1-∗P-2.5DS(05)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL541 △1	1/1

FORM HD0011-2-1