APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-30°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	△2 -10°C TO + 60°C (NOTE 3)
	OPERATING HUMIDITY RANGE	△2 40% TO + 80% (NOTE 2)	STORAGE HUMIDITY RANGE	△2 40% TO + 70% (NOTE 3)
	VOLTAGE	250V AC	CURRENT	3A

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).	30mΩ MAX.	○	—
INSULATION RESISTANCE	500V DC.	1000MΩ MIN.	○	—
VOLTAGE PROOF	650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	–
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.	○	–
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR 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 15min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	–
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. △1	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	–
RESISTANCE TO SOLDERING HEAT	①AUTOMATIC SOLDERING (FLOW) △2 SOLDER TEMPERATURE : 260℃ FOR IMMERSION,DURATION : 10 sec . ②MANUAL SOLDERING △2 SOLDERING IRON TEMPERATURE : 300℃ SOLDERING TIME : 2 sec. NO STRENGTH ON CONTACT.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	○	–
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, △2 230°C FOR INSERTION DURATION, 3sec.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	○	–

REMARKS
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT
NOTE 2:NO CONDENSING. △2
NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATINGTEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION. △2
Unless otherwise specifid , refer to JIS C 5402.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△2	8	DIS-H-001374	TT.OHSAKO	HK.UMEHARA	06.10.16

APPROVED	MY.YAMAMOTO	92.03.16
CHECKED	TY.OMA	92.03.16
DESIGNED	CK.HANAMI	92.03.16
DRAWN	TK.SHIRAISHI	92.03.16

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

DRAWING NO. ELC4-084302-01

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. DF3A-*P-2DSA

CODE NO. CL543 △2

FORM HD0011-2-1