APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25℃ TO +85℃ (NOTE 1)	STORAGE TEMPERATURE RANGE	-10℃ TO +60℃ (NOTE 2)
	OPERATING HUMIDITY RANGE	40% TO 80%	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 2)
	VOLTAGE	250V AC	APPLICABLE CABLE	AWG 22 TO 26
	CURRENT	AWG 22～24 : 3 A AWG 26 : 2 A		

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	1A (DC OR 1000 Hz).	10mΩ MAX.	X	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	□0.635±0.002 mm BY STEEL GAUGE.	INSERTION FORCE :4.4 N MAX. EXTRACTION FORCE :0.4 N MIN	X	—
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 20mΩ 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^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.	X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -25→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 10 → 30→ 10 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 10mΩ MAX. ② 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: 10mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SULPHUR DIOXIDE	EXPOSED IN 5 %, 35℃, SALT WATER SPRAY FOR 48 h.	NO HAEAVY CORROSION.	X	—

REMARKS
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.
NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTSBEFORE PCB ON BOARD.
AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

Unless otherwise specifid , refer to JIS C 5402.

APPROVED	TS. SAKATA	07. 10. 09
CHECKED	HK. UMEHARA	07. 10. 09
DESIGNED	KT. ISHII	07. 10. 04
DRAWN	KT. ISHII	07. 10. 04

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

DRAWING NO. ELC4-007982-03

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. HNC-2. 5S-C-A (15)

CODE NO. ⚠0

FORM HD0011-2-1