

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +105°C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60°C (NOTE3)
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)
	VOLTAGE	50 V AC/DC	APPLICABLE CONNECTOR	DF65-6P-1.7V(##)
	CURRENT	AWG24 : 4.0A	INSULATION DIAMETER	AWG24 TO 28: $\phi$ 0.7~1.15 mm
			APPLICABLE CONTACT	DF65-2428SCF

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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#### CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

#### ELECTRIC CHARACTERISTICS

INSULATION RESISTANCE	100 V DC.	100 M $\Omega$ MIN.	X	—
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—

#### MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTION.	NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.	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	—

#### ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT(STEADY STATE)	EXPOSED AT 40 $\pm$ 2°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)	① INSULATION RESISTANCE: 100 M $\Omega$ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55°C $\rightarrow$ +85°C TIME 30min $\rightarrow$ 30min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2~3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)	① INSULATION RESISTANCE: 100 M $\Omega$ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—

NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.

NOTE2:NO CONDENSING

NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFOR PCB ON BOARD , AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
$\Delta$				

REMARKS	APPROVED	KI. AKIYAMA	13.08.22
	CHECKED	OM. MIYAMOTO	13.08.21
	DESIGNED	TT. OHSAKO	13.08.21
	DRAWN	TT. OHSAKO	13.08.21

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-351457-00
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF65-6S-1.7C
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL666-6009-9-00 $\Delta$ 1/1