

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		STORAGE TEMPERATURE RANGE	
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)	HUMIDITY RANGE	40% TO 70% (NOTE3)	
	APPLICABLE CONNECTOR	DF62B-*S-2.2C(##) DF62C-*S-2.2C(##)	VOLTAGE	AC/DC 250V	
	APPLICABLE CABLE	AWG 22	CURRENT		
	INSULATION DIAMETER	φ 1.2~φ 1.45 mm			AWG 22 : 3A

### 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	30 mΩ MAX.	X	-
		20mV MAX, 1mA (DC or 1000Hz)			

MECHANICAL CHARACTERISTICS		CONTACT INSERTION AND EXTRACTION FORCES	MECHANICAL OPERATION	VIBRATION	SHOCK
		T=0.44±0.002 mm BY STEEL GAUGE.	30 TIMES INSERTION AND EXTRACTION.	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES EACH FOR 3 BOTH AXIAL DIRECTIONS.
		INSERTION FORCE 2.8 N MAX. EXTRACTION FORCE 0.15 N MIN.	①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.
		X	X	X	X

ENVIRONMENTAL CHARACTERISTICS		DAMP HEAT (STEADY STATE)	RAPID CHANGE OF TEMPERATURE
		EXPOSED AT 40 ± 2°C, 90 TO 95 %, 96 h (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)	TEMPERATURE -55°C → +85°C TIME 30min → 30min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2~3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)
		①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.
		X	X

REVISIONS		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Δ						

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 ON BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.

REMARKS

Unless otherwise specified, refer to IEC 60512.

Note	QT:Qualification Test	AT:Assurance Test	X:Applicable Test
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DRAWING NO.	DF62-22SC
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL544-0572-0-00	ELC4-352024-00