

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

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
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)				
APPLICABLE CONNECTOR	DF62-*EP-2.2C	VOLTAGE	AC/DC 250V				
APPLICABLE CABLE	AWG 30	CURRENT					
INSULATION DIAMETER	φ 0.75~φ 1.2 mm		AWG 30 : 1A				
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS		QT	AT
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
GENERAL EXAMINATION		CONFIRMED VISUALLY.				X	X
ELECTRIC CHARACTERISTICS		CONTACT RESISTANCE		20mV MAX, 1mA (DC or 1000Hz).	30 mΩ MAX.	X	-
MECHANICAL CHARACTERISTICS		MECHANICAL OPERATION		30 TIMES INSERTION AND EXTRACTION.	①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES EACH FOR 3 BOTH AXIAL DIRECTIONS.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
ENVIRONMENTAL CHARACTERISTICS		DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2°C , 90 TO 95 % RH (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)	①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE		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.		X	-
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2:NO CONDENSING NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB ON BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.							
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
REMARKS							
Unless otherwise specified, refer to JIS C 5402.		APPROVED		K.I. AKIYAMA		12.07.21	
		CHECKED		MN. KENJU		12.07.21	
		DESIGNED		TO. HORII		12.07.21	
		DRAWN		TO. HORII		12.07.21	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-345111-00			
HRS		SPECIFICATION SHEET		DF62-EP30PCA			
		HIROSE ELECTRIC CO., LTD.		PART NO.			
		CODE NO.		CL544-0531-2-00		△	
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