

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 24~28	CURRENT	AWG 24 : 2A AWG 26-28 : 1A				
INSULATION DIAMETER	φ 0.9~φ 1.45 mm						
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	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%, 96 h. (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		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		CHECKED	MN. KENJU		12.07.21		
		DESIGNED	T.O. HORII		12.07.21		
		DRAWN	T.O. HORII		12.07.21		
		DRAWING NO.	ELC4-345110-00				
HRS		SPECIFICATION SHEET		PART NO.		DF62-EP2428PCA	
HIROSE ELECTRIC CO., LTD.		CODE NO.		CL544-0530-0-00		△ 1/1	