

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

APPLICABLE STANDARD		150 V AC		1 A	
RATING	VOLTAGE	150 V AC		CURRENT	1 A
	OPERATING TEMPERATURE RANGE	-35°C TO +85 °C (NOTES 1)		STORAGE TEMPERATURE RANGE	-10°C TO +60°C (NOTE3)
	OPERATING HUMIDITY RANGE	40 % TO 80 % (NOTES 2)		STORAGE HUMIDITY RANGE	40 % TO 70 % (NOTE3)
APPLICABLE CONNECTOR	DF13-*S-1.25C		APPLICABLE CONTACT	DF13-2630SCFA, DF13-3032SCFA	
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS		QT	AT
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		
MARKING	CONFIRMED VISUALLY.				
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 m A (DC OR 1000 HZ).	30 mΩ MAX.	X	-	
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	X	-	
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	-	
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIIONS.		① CONTACT RESISTANCE: 30 mΩ 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 PARTS. ② 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	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5 TO 35 → +85 → 5 TO 35 °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			X	-
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING «REFLOW AREA» WITHIN 10 sec MAX250°C MIN 230°C WITHIN 60 sec «PREHEATING AREA» 170°C to 190°C 60 to 120 sec PUT THROUGH IN REFLOW FURNACE TWICE LEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. CONNECTOR TEMPERATURE TO BE AMBIENT FOR SECOND REFLOW. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :350°C, SOLDERING TIME : 3sec. NO STRENGTH ON CONTACT.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230°C FOR INSERTION DURATION, 3sec.		SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	X	-
REMARKS					
NOTE1: 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 HUMIDITY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.					
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Unless otherwise specified, refer to JIS C 5402.					
Note		QT:Qualification Test	AT:Assurance Test	X:Applicable Test	
SPECIFICATION SHEET		DRAWING NO.		ELC4-162444-04	
		PART NO.		DF13A-*P-1.25H (50)	
HIROSE ELECTRIC CO., LTD.		CODE NO.		CL536	
				△ 1/1	
		APPROVED	TY. OMA	06.06.24	
		CHECKED	HK. UMEHARA	06.05.22	
		DESIGNED	TS.KUMAZAWA	06.05.22	
		DRAWN	AK. MURAI	06.05.15	