

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

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE		-10°C T ₀ + 60°C (NOTE 2)	
RATING	OPERATING TEMPERATURE RANGE	-40°C T ₀ + 85°C (NOTE 1) Δ 1		40% T ₀ + 70% (NOTE 2)	
	OPERATING HUMIDITY RANGE	40% TO 80% (NOTE 3)		40% T ₀ + 70% (NOTE 2)	
	VOLTAGE	AC 250V	UL - CSA	VOL TAGE	AC 30V
CURRENT	2A	RATING	CURRENT	2A	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS		
CONSTRUCTION			GENERAL EXAMINATION		
VISUALLY AND BY MEASURING INSTRUMENT.			CONFIRMED VISUALLY.		
MARKING			CONFIRMED VISUALLY.		
ELECTRIC CHARACTERISTICS			CONTACT RESISTANCE		
100mA (DC OR 1000 Hz).			30mΩ MAX.		
INSULATION RESISTANCE			500V DC.		
1000MΩ MIN.			NO FLASHOVER OR BREAKDOWN.		
VOLTAGE PROOF			650V AC FOR 1 min.		
MECHANICAL CHARACTERISTICS			MECHANICAL OPERATION		
30TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30mΩ MAX.		
VIBRATION			② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		
FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1μs OF PARTS.		
SHOCK			② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		
490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1μs OF PARTS.		
ENVIRONMENTAL CHARACTERISTICS			DAMP HEAT (STEADY STATE)		
EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 30mΩ MAX.		
RAPID CHANGE OF TEMPERATURE			② INSULATION RESISTANCE: 500MΩ MIN.		
TEMPERATURE -55 → 5 TO 35 → +85 → 5 TO 35°C TIME 30 → 5MAX → 30 → 5MAX min UNDER 5 CYCLES.			③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		
RESISTANCE TO SOLDERING HEAT			① CONTACT RESISTANCE: 30mΩ MAX.		
1)AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE : 260 ±3°C FOR IMMERSION,DURATION , 10 sec .			② INSULATION RESISTANCE: 1000MΩ MIN.		
2)MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 290 ±10°C SOLDERING TIME : 3 sec.			③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		
NO STRENGTH ON CONTACT.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		
SOLDERABILITY			SOLDERED AT SOLDER TEMPERATURE, 245°C FOR INSERTION DURATION, 10sec.		
SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSUED.			X		
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
Δ 3	DI-S-H-008583	MI.SAKIMURA	HK.UMEHARA	14.03.25	
REMARKS					
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT AFTER PCB BOARD.					
NOTE2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD.					
OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.					
NOTE3:NON-CONDENSING.					
Unless otherwise specified , refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-162401-01	
HRS		SPECIFICATION SHEET		PART NO.	
		HIROSE ELECTRIC CO., LTD.		CODE NO.	
		CL543		DF11-*DS-2DSA (05)	
				Δ 1/1	