

In case of consideration for using Autom otive equ pm ent./device which dem and high reliability, kindly contactour sales w indow correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		Q/T	AT
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +85 °C(NOTE1)		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C(NOTE2)		
	OPERATING TEMPERATURE RANGE	40 % TO 80 %		STORAGE TEMPERATURE RANGE	40 % TO 70 % (NOTE2)		
	VOLTAGE	250 V AC		CURRENT	2A		
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS			
CONSTRUCTION							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			
MARKING	CONFIRMED VISUALLY.						
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).			30 mΩ MAX.			
INSULATION RESISTANCE	500 V DC.			1000 MΩ MIN.			
VOLTAGE PROOF	650 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION 50 TIMES INSERTIONS AND EXTRACTIONS.							
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:500 MΩMIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →5 TO 35→85 →5 TO 35 °C TIME 30 →5 TO 15 →30 →5 TO 15 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000MΩMIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
RESISTANCE TO SOLDERING HEAT	1)AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE : 260±3°C FOR IMMERSION,DURATION : 10 sec. 2)MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 290±10°C SOLDERING TIME : 2 sec. NO STRENGTH ON CONTACT.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			
SOLDERABILITY	SOLDED AT SOLDER TEMPERATURE,240°C FOR IMMERSION DURATION,3 sec.			SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSED			
REMARKS							
NOTE1:INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD,OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.							
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED		DATE	
1	DIS-H-008540		MI. SAKIMURA	HK. UMEHARA		14.02.26	
Unless otherwise specified, refer to IEC 60512.							
		APPROVED	TY. OMA		06.07.26		
		CHECKED	HK. UMEHARA		06.07.25		
		DESIGNED	NS. HIROSE		06.07.25		
		DRAWN	AK. MIURA		06.07.24		
Note Q/T:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-162390-03		
HRS		SPECIFICATION SHEET		PART NO.		DF11-*DP-2DS (52)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL543	
						1/1	