Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +85 °C(NOTE1) △2	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	QT	AT
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.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	—
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℃ FOR IMMERSION,DURATION : 10 sec . 2)MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 290±10℃ SOLDERING TIME : 2 sec. NO STRENGTH ON CONTACT.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE,240℃ 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
△2	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 QT: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 △2	1/1

FORM HD0011-2-1