

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-30°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 2)	
	OPERATING HUMIDITY RANGE	40% TO 80% (NOTE 3) $\triangle 1$	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 2) $\triangle 1$	
	VOLTAGE	AC 250V	UL·CSA $\triangle 1$ VOLTAGE	AC 30V	
	CURRENT	2A	RATING CURRENT	2A	

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	100mA (DC OR 1000 Hz).	30m $\Omega$ MAX.	X	-
INSULATION RESISTANCE	500V DC.	1000M $\Omega$ MIN.	X	-
VOLTAGE PROOF	650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	-

<b>MECHANICAL CHARACTERISTICS</b>				
MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30m $\Omega$ 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 1 $\mu$ s. 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.	① NO ELECTRICAL DISCONTINUITY OF 1 $\mu$ s. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 $\pm$ 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30m $\Omega$ MAX. ② INSULATION RESISTANCE: 500M $\Omega$ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 $\rightarrow$ 5 TO 35 $\rightarrow$ +85 $\rightarrow$ 5 TO 35°C TIME 30 $\rightarrow$ 5MAX $\rightarrow$ 30 $\rightarrow$ 5MAX min UNDER 5 CYCLES. $\triangle 1$	① CONTACT RESISTANCE: 30m $\Omega$ MAX. ② INSULATION RESISTANCE: 1000M $\Omega$ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
RESISTANCE TO SOLDERING HEAT	1)AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE : 260°C FOR IMMERSION,DURATION , 10 sec. $\triangle 1$ 2)MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300°C SOLDERING TIME : 2 sec. $\triangle 1$ 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. $\triangle 1$	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	X	-

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
$\triangle 1$ 8	DIS-H-005228	ST. SATO	HK. UMEHARA	11. 01. 18

REMARKS NOTE 1:INCLUDING THE TEMPERATURE RISE 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. NOTE3:NON-CONDENSING $\triangle 1$ Unless otherwise specified , refer to JIS C 5402.	APPROVED	TY. OMA	05. 08. 11
	CHECKED	HK. UMEHARA	05. 08. 11
	DESIGNED	IO. DENPOUYA	05. 08. 11
	DRAWN	MK. MATSUO	05. 08. 09

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-162391-02
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF11-*DP-2DSA (24)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543	$\triangle 1$ / 1