

△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C(NOTE3)
	OPERATING MOISTURE RANGE	20 %TO 80 %(NOTE2)	STORAGE MOISTURE RANGE	40 %TO 70 %(NOTE3)
	CURRENT	1 A	VOLTAGE	150 V AC(DC)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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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.		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX, 1mA (DC OR 1000Hz)		×	—
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	×	—
VOLTAGE PROOF	500 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 1 μs.		
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—

ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →5 TO 35 →+85 →5 TO 35°C TIME 30 →10 TO 15 →30 →10 TO15min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN.	×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.	③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		
RESISTANCE TO SOLDERING HEAT	(1) REFLOW SOLDERING 《REFLOW AREA》 MAX 250°C WITHIN 10 sec. MIN 230°C WITHIN 60 sec 《PREHEATING AREA》 170°C to 190 °C 60 sec. To 120 sec. PUT THROUGH IN REFLOW FUMACE 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±5°C, FOR 5±1 sec. NO STRENGTH ON CONTACT.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
SOLDERABILITY	SOLDERING TEMPERATURE : 235±5°C DURATION OF IMMERSION : SOLDERING, FOR 3 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	×	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT. NOTE2:NON-CONDENSING NOTE3: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.	<i>F. Matsuki</i>	<i>S. Danbara</i>	<i>T. Miyazaki</i>	<i>T. Miyazaki</i>	
Unless otherwise specified, refer to JIS C 5402	'03.3.7	'03.3.7	'03.03.25	'03.03.25	

Note QT:Qualification Test AT:Assurance Test ×:Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF14A- * P-1.25H(26)
CODE NO.(OLD) CL	DRAWING NO. ELC4-160309-15	PART NO. CL538-
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TO

(MC)