

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
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<b>APPLICABLE STANDARD</b>										
<b>RATING</b>	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)				
<b>SPECIFICATIONS</b>										
<b>ITEM</b>		<b>TEST METHOD</b>			<b>REQUIREMENTS</b>				<b>QT</b>	<b>AT</b>
<b>CONSTRUCTION</b>										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.				×	×
MARKING		CONFIRMED VISUALLY.							×	×
<b>ELECTRIC CHARACTERISTICS</b>										
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.				×	-
<b>MECHANICAL CHARACTERISTICS</b>										
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 <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				×	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>										
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>J. Mitsuaki</i>	<i>J. Doyama</i>	<i>T. Miyazaki</i>	<i>T. Miyazaki</i>		
Unless otherwise specified, refer to JIS C 5402					03.3.17	03.3.17	03.03.25	03.03.25		
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test										
<b>HRS</b> HIROSE ELECTRIC CO., LTD.					<b>SPECIFICATION SHEET</b>			PART NO. DF14A- * P-1.25H(25)		
CODE NO.(OLD) CL		DRAWING NO. ELC4-160309-14			PART NO			CL538-		
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