

Oct.1.2018 Copyright 2018 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
In case that the application demands a high level of reliability, such as automotive, please contact a company representative for further information.

TO

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
<b>APPLICABLE STANDARD</b>									
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +85 °C(NOTE1)			STORAGE TEMPERATURE RANGE	-10°C TO +60°C(NOTE2)			
	VOLTAGE	250 V AC			CURRENT	3 A			
<b>SPECIFICATIONS</b>									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
<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		100 mA (DC OR 1000 Hz).			30 mΩ MAX.			X	—
INSULATION RESISTANCE		500 V DC.			1000MΩ MIN.			X	—
VOLTAGE PROOF		650V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			X	—
<b>MECHANICAL CHARACTERISTICS</b>									
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ 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 1μs.			X	—
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.			X	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5~35 →+85→ 5~35 °C TIME 30→10~15→ 30 →10~15 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			X	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 250±5°C, FOR IMMERSION, DURATION, 10 s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 230±5 °C FOR INSERTION DURATION, 5 s.			SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.			X	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: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. Unless otherwise specified, refer to JIS C 5402.					M.Nakamoto '04.04.16	H. Umehara 04.04.16	J. Ona 04.04.16	J. Ona 04.04.16	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test									
<b>HRS</b> HIROSE ELECTRIC CO., LTD.				<b>SPECIFICATION SHEET</b>			PART NO. DF1-*P-2. 5DSA (05)		
CODE NO.(OLD) CL		DRAWING NO. ELC4-162342-10			PART NO. CL541			1/1	

