

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
<b>APPLICABLE STANDARD</b>									
<b>RATING</b>	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	250 V AC			APPLICABLE CONNECTOR	DF1B-*S-2.5R			
	CURRENT	3 A							
<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.			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.			1000 MΩ MIN.			x	—
VOLTAGE PROOF		650 V 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 1 μs. 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 μs. ② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			x	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX 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		1) AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 5 sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300 °C, SOLDERING TIME : 3 sec. NO STRENGTH ON CONTACT.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			x	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR INSERTION DURATION, 5 s.			SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.			x	—
<b>REMARKS</b>									
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.					F.Matsuki '04.03.25	H.Unehara 04.03.25	T.Mizoguchi 04.03.25	T.Ono 04.03.25	
Note QT:Qualification Test AT:Assurance Test x:Applicable Test									
<b>HRS</b> HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO.	
CODE NO.(OLD) CL					DRAWING NO. ELC4-303206-01			PART NO. CL541	
								1/1	

TO

