

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO +85 °C (NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	250 V AC	UL- CSA	30 V AC	APPLICABLE CONTACT				
	CURRENT	2 A	STANDARD	2 A	APPLICABLE CONNECTOR				
					APPLICABLE CABLE				
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			30 mΩ MAX.			○	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX. mA (DC OR 1000 Hz).			mΩ MAX.			—	—
INSULATION RESISTANCE		500 V DC			1000 MΩ MIN.			○	—
VOLTAGE PROOF		650 V AC FOR 1 min			NO FLASHOVER OR BREAKDOWN.			○	—
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.			INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.			—	—
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.			—	—
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
VIBRATION		FREQUENCY 10 TO 55 Hz. SINGLE AMPLITUDE 0.75 mm. 98 m/s ² AT 2 h FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: — mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2°C. 90~95%. 96 h.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55±3-3~3.5-85±2-5~35°C TIME 30-5-30-5 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: — MΩ. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 5 s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			○	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 230 °C FOR IMMERSION DURATION, 3 s.			A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.			○	—
REMARKS									
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.					DRAWN		DESIGNED	CHECKED	APPROVED
Unless otherwise specified, refer to MIL-STD-1344.					R. Sasaki		T. Mizogaki	T. Oma	H. Horimoto
					95.6.29		95.7.4	95.7.13	95.7.17
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO.	
CODE NO. (OLD)					DRAWING NO.			CODE NO.	
CL					ELC4-160085-01			0758-1 CL 543-0765-7	

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