

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		APPLICABLE CONNECTORS	DF 3-※S-2 C
	CURRENT	AWG24 : 3A		APPLICABLE CABLE	UL1061, UL1007:AWG24~28
		AWG26 : 2A			
		AWG28 : 1A			

SPECIFICATIONS						
ITEM	TEST METHOD		REQUIREMENTS	QT	AT	
<b>CONSTRUCTION</b>						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×	×	
MARKING	CONFIRMED VISUALLY.			×	×	
<b>ELECTRICAL CHARACTERISTICS</b>						
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.	×	—	
<b>MECHANICAL CHARACTERISTICS</b>						
CONTACT INSERTION AND EXTRACTION FORCES	□0.5±0.002 BY STEEL GAUGE.		INSERTION FORCE 4.4 N MAX. EXTRACTION FORCE 0.3 N MIN.	×	—	
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.	—	—	
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 55Hz, SINGLE AMPLITUDE 0.75 mm, - m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs.	×	—	
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS.		② CONTACT RESISTANCE: — mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—	
<b>ENVIRONMENTAL CHARACTERISTICS</b>						
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35→+85 → 5~35 °C TIME 30→ 5~15→ 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.	×	—	
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 OR LOOSENESS OF PARTS.	×	—	
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C, FOR IMMERSION, DURATION, s.		NO DEFORMATION ON CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS.	—	—	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IN IMMERSION, DURATION, s.		SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	—	—	
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.		DRAWN S. Hara	DESIGNED T. Asai	CHECKED C. Hanami	APPROVED K. Katayama	RELEASED
Unless otherwise specified, refer to MIL-STD-1344.		'99.8.23	'99.9.3	'99.9.3	'99.9.6	
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test						
<b>HRS</b> HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF3-2428SCC		
CODE NO.(OLD) CL		DRAWING NO ELC4-020357-01		CODE NO. CL543-0047-3		1 1