

△	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
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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	<input type="checkbox"/> 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 ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	×	—
SHOCK	490 m/s ² DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS.	② CONTACT RESISTANCE: — mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—

ENVIRONMENTAL CHARACTERISTICS				
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	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	S. Hara	F. Asai	C. Hanami	K. Katayama	
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

HRS	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	DF3-2428SCC
CODE NO.(OLD)	DRAWING NO	CODE NO	1	
CL	ELC4-020357-01	CL543-0047-3	1	

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