

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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△					△				

APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C (NOTES)	STORAGE TEMPERATURE RANGE °C TO °C
	VOLTAGE	250 V AC	APPLICABLE CONTACT
	CURRENT	AWG 24 3 AWG 26 2 AWG 28 1 A	APPLICABLE CONNECTOR
			APPLICABLE CABLE

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	(10 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	V DC	MΩ MIN.	—	—
VOLTAGE PROOF	V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN.	—	—

MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCES	□ 0.635 ± 0.002 BY STEEL GAUGE.	INSERTION FORCE 0.4 N MAX. EXTRACTION FORCE 4.5 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 TO Hz. SINGLE AMPLITUDE mm. m/s ² AT h FOR DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF μs. ② CONTACT RESISTANCE: mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
SHOCK	AT m/s ² DURATION OF PULSE ms TIMES FOR DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF μs. ② CONTACT RESISTANCE: mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—

ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE)	EXPOSED AT °C. % h.	① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE → → → °C TIME → → → min UNDER CYCLES.	① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C FOR IMMERSION, DURATION. s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	—	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.	A NEW UNIFORM COATING OF 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. Unless otherwise specified, refer to MIL-STD-1344.	R. Sasaki	M. Tanaka	J. Oma	H. Yamamoto	
	'95.9.30	'95.9.30	95.10.19	'95.10.20	

Note QT: Qualification Test AT: Assurance Test ○: Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF1-2428SCF
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CODE NO. (OLD) CL	DRAWING NO. ELC4-017870-01	CODE NO. CL 541-0134-3	1/1
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