

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C (NOTE1)			STORAGE TEMPERATURE RANGE	°C TO °C			
	VOLTAGE	250 V AC			APPLICABLE CONTACT				
	CURRENT	AWG24 3 AWG26 2 A AWG28 1			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		(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		m/s ² DURATION OF PULSE ms AT 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 s. IMMERSION, DURATION.			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									
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to MIL-STD-1344.					R. Sasaki	M. Tanaka	J. Oma	H. Yamada	
					'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				
CODE NO. (OLD)		DRAWING NO.			CODE NO.			1/1	
CL		ELC4-017870-01			CL 541-0134-3				