

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	— t TO — t			STORAGE TEMPERATURE RANGE	— t TO — t			
	VOLTAGE	AC 250 V			OPERATING HUMIDITY RANGE	— % TO — %			
	CURRENT	3 A			APPLICABLE CABLE	AWG 20 ~ 22			
SPECIFICATIONS JACKET DIAMETER 1.5 TO 1.9 mm									
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).			15 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 4.4 N MAX. EXTRACTION FORCE 0.36 N MIN.			○ —	
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.			— —	
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS			① CONTACT RESISTANCE: 15 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○ —	
VIBRATION		FREQUENCY TO Hz, SINGLE AMPLITUDE mm, m/s <sup>2</sup> AT h DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF μs. ② CONTACT RESISTANCE: mΩ MAX.			— —	
SHOCK		m/s <sup>2</sup> DURATION OF PULSE ms AT TIMES FOR DIRECTION.			① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			— —	
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT t. % h.			① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN.			— —	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE — — — t min TIME — — — CYCLES.			① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			— —	
DAMP HEAT, CYCLIC		EXPOSED AT TO t. TO % TOTAL CYCLES ( h).			① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			— —	
DRY HEAT		EXPOSED AT t. h.			① CONTACT RESISTANCE: mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			— —	
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.			① CONTACT RESISTANCE: 15 mΩ MAX. ② NO HEAVY CORROSION.			○ —	
HYDROGEN SULPHIDE		EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-38)						— —	
SULPHUR DIOXIDE		EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-39)						— —	
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE. t FOR IMMERSION. s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.			— —	
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE. t 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	
CLIMP STRENGTH: 88.2 N Min. (AWG20)				H. Sakamoto	H. Sakamoto	M. Matsura	Y. Yoshimura		
Unless otherwise specified, refer to MIL-STD-1344.				95.2.20	95.2.20	95.2.22	95.2.22		
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. HIF3-2022SCF		
CODE NO. (OLD)		DRAWING NO.		CODE NO.		1/1			
CL		ELC4-016947		CL 562-0493-7					