

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE	— °C TO — °C			
	VOLTAGE	AC 200 V			OPERATING HUMIDITY RANGE	— % TO — %			
	CURRENT	/ A			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		100 mΩ (DC OR 1000 Hz).			15 mΩ MAX.			○	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX. mΩ (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		BY STEEL GAUGE.			INSERTION FORCE N MAX. EXTRACTION FORCE 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 10 TO 55 Hz. SINGLE AMPLITUDE 0.75 mm. — mm/s² AT 2 h FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: — mΩ MAX.			○	—
SHOCK		490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.			① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C. 90~95 % 96 h.			① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN.			○	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65 - 25 - 125 - 25 °C TIME 30 - 10~15 - 30 - 10~15 min UNDER 5 CYCLES.			① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
DAMP HEAT, CYCLIC		EXPOSED AT TO °C. % 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 °C. 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 3 PPM FOR 120 h. (TEST STANDARD: JEIDA-38)						○	—
SULPHUR DIOXIDE		EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-39)						—	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE. °C FOR IMMERSION. DURATION. s. (TEST STANDARD: MIL-STD-202)			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.			—	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE. °C FOR IMMERSION DURATION. s. (TEST STANDARD: MIL-STD-202)			A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.			—	—
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to MIL-STD-1344.				M. Akiida 96.2.17	M. Akiida 96.2.17	H. Oshawa 96.2.17	T. Yamaguchi 96.2.17		
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. HIF-3BAE-34P-2.54W		
CODE NO. (OLD)		DRAWING NO.			CODE NO.			1/1	
CL		ELC4-071869-02			CL 610-0527-6				

TO
PCK