

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 ℃ TO 85 ℃			STORAGE TEMPERATURE RANGE	— ℃ TO — ℃				
	VOLTAGE	300 V			OPERATING HUMIDITY RANGE	— % TO — %				
	CURRENT	3 A			APPLICABLE CABLE	AWG 24				
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 mA (DC OR 1000 Hz).			15 mΩ MAX.			○ —		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX. mA (DC OR 1000 Hz).						— —		
INSULATION RESISTANCE		500 V DC			1000 MΩ MIN.			○ —		
VOLTAGE PROOF		1000 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 2.9 N MAX. EXTRACTION FORCE 0.4 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, TOTAL AMPLITUDE 1.5 mm. - m/s ² AT 2 h FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 15 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○ —		
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.						○ —		
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 ℃, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○ —		
DAMP HEAT, CYCLIC		EXPOSED AT TO ℃, TO % CYCLES, TOTAL 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.			— —		
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65→5 TO 35→125→5 TO 35 ℃ TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○ —		
DRY HEAT		EXPOSED AT ℃, 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 96 h. (TEST STANDARD: JEIDA-38)						○ —		
SULPHUR DIOXIDE		EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-39)						— —		
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to JIS C 5402.					<i>H. Hamachino</i> '94.4.6	<i>H. Hamachino</i> '94.4.6	<i>M. Yokamura</i> '94.4.7	<i>M. Yokamura</i> '94.4.7		
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET					PART NO. HIF4-16D-3.18R
CODE NO. (OLD) CL			DRAWING NO. ELC4-016806			CODE NO. CL 563-0025-5			1/1	