

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	°C TO °C			STORAGE TEMPERATURE RANGE	°C TO °C			
	VOLTAGE	200 V AC , 280 V DC			OPERATING HUMIDITY RANGE	% TO %			
	CURRENT	1 A			APPLICABLE CABLE	AWG 28 (7/0.127)			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz). 1			25 mΩ MAX.			○	○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX, 1 mA (DC OR 1000 Hz). 1						○	—
INSULATION RESISTANCE		500 V DC.			1000 MΩ MIN.			○	○
VOLTAGE PROOF		650 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○	○
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE 53.9 N MAX. EXTRACTION FORCE 39.2 N MAX.			○	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS. 1			① CONTACT RESISTANCE: 25 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2 h, FOR 3 DIRECTIONS.			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						○	—
ENVIRONMENTAL CHARACTERISTICS									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55±2→5~35→85±3→5~35 °C TIME 30 →5MAX→ 30 →5MAX min UNDER 5 CYCLES.			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90~95 %, 96 h.			① INSULATION RESISTANCE: 10 MΩ MIN. (AT HIGH HUMIDITY.) 1000 MΩ MIN. (AT DRY.) ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			○	—
HYDROGEN SULPHIDE		EXPOSED IN 3±1 PPM HYDROGEN SULFIDE, 40±2 °C , 80 % RH, 120 h. 1			① CONTACT RESISTANCE: 25 mΩ MAX. ② NO HEAVY CORROSION.			○	—
DRY HEAT		EXPOSED AT 85±5 °C , 1000 h. 1			① CONTACT RESISTANCE: 25 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
REMARKS NOTE. 1 MEASUREMENT POINT OF CONTACT RESISTANCE				DRAWN		DESIGNED	CHECKED	APPROVED	RELEASED
				J. Kim				(Muro)	
Unless otherwise specified, refer to JIS C 5402.				03.9			03.09.03		
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. FDED-9PF(55)		
CODE NO.(OLD) CL		DRAWING NO. ELC4-022474-01			CODE NO. CL211-0604-9-55			1/1	