

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO +85 °C (NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	2 5 0 V AC			APPLICABLE CONTACT	—			
	CURRENT	24AWG 3A			APPLICABLE CONNECTOR	D F 3 (AA) - *EP-2C			
		26AWG 2A			APPLICABLE CABLE	UL1061 AWG24~28			
			28AWG 1A						
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).			30 mΩ MAX.			○	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, mA(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		30 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			○	—
VIBRATION		FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75 mm. - m/s ² AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			○	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			○	—
ENVIRONMENTAL CHARACTERISTICS									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5~35→+85 → 5~35 °C TIME 30→ 5 MAX→ 30 → 5 MAX min UNDER 5CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			○	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90~95 %, 96 h.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			○	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, °C, FOR IMMERSION, DURATION, s.			NO DEFORMATION ON CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS.			—	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, °C FOR IN IMMERSION, DURATION, s.			SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.			—	—
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
					<i>Y. Inoue</i>	<i>T. Miyazaki</i>	<i>K. Miyama</i>	<i>K. Kitayama</i>	
Unless otherwise specified, refer to MIL-STD-1344.					'98.9.29	'98.9.29	'98.9.30	'98.10.20	
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DF3-EP2428PCF		
CODE NO.(OLD) CL			DRAWING NO. ELC4-020374			CODE NO. CL543-0062-7			1 1

TO

