

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO 85 °C(NOTE 1)				STORAGE TEMPERATURE RANGE	-10°C TO 60 °C		
	VOLTAGE	250 V AC				OPERATING HUMIDITY RANGE			
	CURRENT	3 A				APPLICABLE CONNECTOR			

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	100mA (DC OR 1000 Hz).	30 mΩ MAX.		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. mA(DC OR 1000 Hz).	m Ω MAX.		
INSULATION RESISTANCE	500V DC.	1000 MΩ MIN.		
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASH OVER 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	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75mm, --- m/s ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs.		
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	② CONTACT RESISTANCE: --- mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		

ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →5 TO 35→85 →5 TO 35 °C TIME 30→10 TO 15→30 →10 TO 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HAEAVY CORROSION.		
HYDROGEN SULPHIDE	EXPOSED IN --- PPM FOR --- h. (TEST STANDARD: JEIDA-38)	① CONTACT RESISTANCE: mΩ MAX. ② NO HAEAVY CORROSION.		
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HAEAVY CORROSION.		
SOLDERING HEAT	SOLDER TEMPERATURE, 260±5 °C FOR IMMERSION, DURATION, 10S	NO DEFORMATION ON CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230±5°C FOR IMMERSION DURATION, 3S.	SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT	M-Tanaka	M-Tanaka	K.Akiyama	K.Katayama	
Unless otherwise specified, refer to MIL-STD-1344.	09.5.28	09.5.28	'99.5.28	'99.5.31	

Note QT: Qualification Test AT: Assurance Test ○:Applicable Test

HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO.
				DF3- * P-2DS (01)
CODE NO.(OLD)	DRAWING NO	PEART NO		
CL	ELC4- 1 6 2 3 9 7 - 0 1	CL5 4 3	1/1	