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Subject to change without notice

DESCRIPTION OF REVISIONS		BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS		BY	CHKD	DATE
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	- 45 °C TO 125 °C (NOTE1)	STORAGE TEMPERATURE RANGE	- 10 °C TO 60 °C
	VOLTAGE	50 V AC	APPLICABLE CONNECTOR	DF12*(3.0)-80DS-0.5V(29)
	CURRENT	0.3 A		

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).	50 mΩ MAX.	○	-		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX, mA(DC OR 1000 Hz).	mΩ MAX.	-	-		
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	○	-		
VOLTAGE PROOF	150 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	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 50 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.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 50 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 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 50 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	-		
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	-		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -65→5 TO 35→125→5 TO 35 °C TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 50 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: 50 mΩ MAX. ② NO HEAVY CORROSION.	○	-		
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96h. (TEST STANDARD: JEIDA-39)	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.	○	-		
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.		DRAWN <i>K. Midorikawa</i> 97.4.17	DESIGNED <i>K. Midorikawa</i> 97.4.17	CHECKED <i>J. One</i> 97.4.23	APPROVED <i>H. Hara</i> 97.4.24	RELEASED HRS 4.8.04 USA
Unless otherwise specified, refer to MIL-STD-1344.						
Note QT: Qualification Test AT: Assurance Test O: Applicable Test						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF12(3.0)-80DP-0.5V(29)		
CODE NO.(OLD) CL	DRAWING NO. ELC4-161618-01	CODE NO. CL537-0733-9-29	1			

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