

FOR REFERENCE ONLY
Subject to change without notice

TO

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(NOTE 1)			STORAGE TEMPERATURE RANGE	-10°C TO 60 °C			
	VOLTAGE	250 V AC			APPLICABLE CONTACT				
	CURRENT	2 A			APPLICABLE CONNECTOR				
					APPLICABLE CABLE				
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			X	X
MARKING		CONFIRMED VISUALLY.						X	X
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		100mA (DC OR 1000 Hz).			80 mΩ MAX. (NOTE 2)			X	-
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX. mA(DC OR 1000 Hz).			mΩ MAX.			-	-
INSULATION RESISTANCE		500 V DC.			1000 MΩ MIN.			X	-
VOLTAGE PROOF		650 V AC FOR 1 min.			NO FLASH OVER OR BREAKDOWN.			X	-
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: 80 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: - mΩ MAX.			X	-
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.			③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			X	-
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: 80 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			X	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 80 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			X	-
CORROSION SALT MIST		EXPOSED IN - % SALT WATER SPRAY FOR - h.			① CONTACT RESISTANCE: - 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 - PPM FOR - h. (TEST STANDARD: JEIDA-39)			① CONTACT RESISTANCE: - mΩ MAX. ② NO HAEAVY CORROSION.			-	-
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 IMMERSION DURATION, - S.			SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.			-	-
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT 2: INCLUDE TWO CONTACTS (INCLUDE THE CABLE FOR MEASUREMENT : AWG28,80mm)					S. Hara	F. Asai	Chenami	K. Katayama	
Unless otherwise specified, refer to MIL-STD-1344.					'99.12.24	'99.12.24	'99.12.24	'99.12.24	
Note QT: Qualification Test AT: Assurance Test X: Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO.	
					DF11-6DP-SP2				
CODE NO.(OLD)			DRAWING NO.			PEART NO			
CL			ELC4-082126			CL543-0613-9			1/1



