

TO

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-35°C TO 85 °C(NOTE1)			STORAGE TEMPERATURE RANGE	-10°C TO 60 °C(NOTE2)			
	VOLTAGE	300V AC			APPLICABLE CONNECTOR	MDF6— * DS—3.5C			
	CURRENT	7A							
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
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			30 mΩ MAX.			x	—
INSULATION RESISTANCE		500 V DC.			1000 MΩ MIN.			x	—
VOLTAGE PROOF		1500 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			x	—
MECHANICAL CHARACTERISTICS									
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			x	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			x	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ① NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			x	—
ENVIRONMENTAL CHARACTERISTICS									
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.			x	—
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 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			x	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE 260±3 °C, FOR IMMERSION DURATION 10 s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			x	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE 230±5 °C FOR IMMERSION DURATION 5 s.			SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.			x	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT. NOTE2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD,OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.					M.Nakamoto	<i>H. Uehara</i>	<i>J. Ona</i>	<i>J. Ona</i>	
Unless otherwise specified, refer to JIS C 5402.					'04.04.16	04.04.16	04.04.16	04.04.16	
Note QT: Qualification Test AT: Assurance Test x: Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET				
CODE NO.(OLD)					PART NO.				
CL					MDF6— * DP—3.5DSA (05)				
DRAWING NO.					CODE NO.				
E L C 4 — 1 6 0 0 4 6 — 1 0					C L 5 4 7				
					1/1				