

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△				.	△				.
△				.	△				.
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-30 ℃ TO +85 ℃ (NOTE1)			STORAGE TEMPERATURE RANGE	-10 ℃ TO 60 ℃			
	VOLTAGE	AC 300 V			APPLICABLE CONTACT				
	CURRENT	5 A (AWG 20) 4 (AWG 22)			APPLICABLE CONNECTOR				
					APPLICABLE CABLE	UL1007, AWG #22~20			
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		V DC			MΩ MIN.			-	-
VOLTAGE PROOF		V AC FOR 1 min			NO FLASHOVER OR BREAKDOWN.			-	-
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		1.52×0.76±0.002mm BY STEEL GAUGE.			INSERTION FORCE 0.39 N MAX. EXTRACTION FORCE 4.90 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 AND LOOSENESS OF PARTS.			○	-
VIBRATION		FREQUENCY TO Hz, TOTAL AMPLITUDE mm, m/s ² AT h FOR DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF μs. ② CONTACT RESISTANCE: mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			-	-
SHOCK		AT m/s ² DURATION OF PULSE TIMES FOR DIRECTIONS. ms			① NO ELECTRICAL DISCONTINUITY OF μs. ② CONTACT RESISTANCE: mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			-	-
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT ℃, %, h.			① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			-	-
RAPID CHANGE OF TEMPERATURE		TEMPERATURE → → → ℃ TIME → → → min UNDER CYCLES.			① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			-	-
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, ℃ FOR IMMERSION, DURATION, s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			-	-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, ℃ FOR IMMERSION DURATION, s.			A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.			-	-
REMARKS									
NOTE1 INCLUDE THE TEMPERATURE RISING BY TURNING ON ELECTRICITY. Unless otherwise specified, refer to MIL-STD-1344.				DRAWN Nobuaki Harufayashi '94.7.19	DESIGNED Nobuaki Harufayashi '94.7.19	CHECKED C. Hanami '94.7.22	APPROVED H. Yamamoto '94.7.25	RELEASED	
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. MDF6-2022SC		
CODE NO. (OLD) CL		DRAWING NO. ELC4-021456-01			CODE NO. CL 547-0073-9			1/1	

INC

TO