

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE			
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APPLICABLE STANDARD												
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C (NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C						
	VOLTAGE	150 V AC			APPLICABLE CONTACT							
	CURRENT	1 A			APPLICABLE CONNECTOR	DF14-XP-1.25H						
					APPLICABLE CABLE							
SPECIFICATIONS												
ITEM	TEST METHOD				REQUIREMENTS				Q	T	A	T
CONSTRUCTION												
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				○	○		
MARKING	CONFIRMED VISUALLY.								○	○		
ELECTRICAL CHARACTERISTICS												
CONTACT RESISTANCE	mA (DC OR 1000 Hz).				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	500 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	TIMES INSERTIONS AND EXTRACTIONS				① CONTACT RESISTANCE:		mΩ MAX.		-	-		
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				-	-		
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 1.5 mm, — m/s ² AT 2 h FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF		μs.		○	-		
					② CONTACT RESISTANCE:		— 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		μs.		○	-		
					② CONTACT RESISTANCE:		— mΩ MAX.		-	-		
					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				-	-		
ENVIRONMENTAL CHARACTERISTICS												
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95% 96 h.				① CONTACT RESISTANCE:		30 mΩ MAX.		○	-		
					② INSULATION RESISTANCE:		500 MΩ MIN.		-	-		
					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				-	-		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -65 → -5 → 35 → +125 → -5 → 35 °C TIME 30 → 10 → 15 → 30 → 10 → 15 min UNDER 5 CYCLES.				① CONTACT RESISTANCE:		30 mΩ MAX.		○	-		
					② INSULATION RESISTANCE:		500 MΩ.		-	-		
					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				-	-		
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, IMMERSION, DURATION, °C FOR s.				NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.				-	-		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, FOR IMMERSION DURATION, °C s.				A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.				-	-		
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED			
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.					<i>M. Harachi</i>	<i>M. Harachi</i>	<i>M. Takamura</i>	<i>M. Yamano</i>				
Unless otherwise specified, refer to MIL-STD-1344.					95.4.12	95.4.12	95.4.12	95.4.12				
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test												
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. DF14-XP-1.25C				
CODE NO. (OLD) CL			DRAWING NO. ELC4-160306-01			CODE NO. CL 538-			1			

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