

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
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. Yamamoto</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)			DRAWING NO.			CODE NO.			1		
CL			ELC4-160306-01			CL 538-					

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