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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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			
	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. 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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