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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		
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△				..	△				..		
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +85°C (NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C					
	VOLTAGE	250 V DC			APPLICABLE CONTACT	—					
	CURRENT	3 A			APPLICABLE CONNECTOR	—					
					APPLICABLE CABLE	UL1061 24 AWG TO 28AWG					
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		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		500 V DC			1000 MΩ MIN.			○ —			
VOLTAGE PROOF		650 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 0.75 mm. — m/s ² AT 2 h FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF #8.		—		○ —		
					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 #8.		—		—		
					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: 1000 MΩ MIN.		—		—		
					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		—		—		
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5 → 35 → 85 → 5 → 35 °C TIME 30 → 5 → 30 → 5 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX.		—		○ —		
					② INSULATION RESISTANCE: 1000 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											
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.				DRAWN		DESIGNED		CHECKED		APPROVED	
Unless otherwise specified, refer to MIL-STD-1344.				95.4.17		95.4.17		95.4.18		95.4.18	
				T. Niijyaki		T. Niijyaki		J. Omi		M. Yamano	
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test											
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. DF4- X DP-2C			
CODE NO. (OLD) CL			DRAWING NO. ELC4-160366			CODE NO. 0078-3			CL544-0092-4		
FORM No. 231-1											

TO

