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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 28 AWG						
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 <sup>2</sup> 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 <sup>2</sup> 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	RELEASED				
Unless otherwise specified, refer to MIL-STD-1344.				T. Niijyaki	T. Niijyaki	J. Omi	M. Yamano					
				95.4.17	95.4.17	95.4.18	95.4.18					
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test												
<b>HRS</b> HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. DF4- <del>X</del> DP-2C				
CODE NO. (OLD) CL			DRAWING NO. ELC4-160366			CODE NO. 0078-3			1/1			
						CL544-0092-4			1/1			

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