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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 24AWG TO 28AWG				
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		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 #s.			○	—	
					② CONTACT RESISTANCE: — mΩ MAX.			—	—	
					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			—	—	
SHOCK		AT m/s ² DURATION OF PULSE TIMBS FOR DIRECTIONS. ms			① NO ELECTRICAL DISCONTINUITY OF #s.			—	—	
					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.				J. Miyazaki 95.4.17	J. Miyazaki 95.4.17	J. Ono 95.4.18	H. Yamamoto 95.4.18			
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DF4-XP-2C			
CODE NO. (OLD) CL		DRAWING NO. ELC4-160365		CODE NO. 0003-4		0016-6		1/1		

TO

