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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	VOLTAGE	AC 200 V, DC 280 V			CURRENT	1 A				
					APPLICABLE CABLE	AWG#28 (7/0.127) × 25 (P=1.27) FLAT CABLE				
SPECIFICATIONS										
ITEM	TEST METHOD				REQUIREMENTS				QT	AT
CONSTRUCTION										
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				○	○
MARKING	CONFIRMED VISUALLY.								○	○
ELECTRIC CHARACTERISTICS										
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).				25 mΩ MAX.				○	○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX, 1 mA(DC OR 1000 Hz).								○	—
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	φ 1.041 MAX φ 0.991 MIN BY STEEL GAUGE.				INSERTION FORCE 3.4 N MAX. EXTRACTION FORCE 0.2 N MIN.				○	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE 83.3 N MAX. EXTRACTION FORCE 55.86 N MAX.				○	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE: 25 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 10 μs.				○	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.				② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
ENVIRONMENTAL CHARACTERISTICS										
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 25 → 85 → 25 °C UNDER 5 CYCLES.				① NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90~95 %, 96 h.				① NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. ② INSULATION RESISTANCE: 10 MΩ MIN.:AT HIGH HUMIDITY 1000 MΩ MIN.:AT DRY				○	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.				① NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to JIS C 5402.					JASO 98.6.2	JASO 98.6.2	J. Tamakoshi 98.6.2	J. Tamakoshi 98.6.2		
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test										
HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO.		
								FDB-25S(05)		
CODE NO.(OLD)			DRAWING NO.			CODE NO.			1	
CL			ELC4-08512-02			CL211-0136-2-05			1/1	

