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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	
△					△					
△					△					
APPLICATION STANDARD										
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C								
	VOLTAGE	AC 100 V								
	CURRENT	0.4 A								
SPECIFICATIONS										
ITEM		TEST METHOD			REQUIREMENT			QT	AT	
CONSTRUCTION										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING			X	X	
MARKING		CONFIRMED VISUALLY.						X	X	
ELECTRICAL CHARACTERISTICS										
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			45 mΩ MAX.			X		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)			55 mΩ MAX.				X	
INSULATION RESISTANCE		250 V DC.			100 MΩ MIN.			X		
VOLTAGE PROOF		300 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			X		
MECHANICAL CHARACTERISTICS										
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR			INSERTION FORCE : 70N MAX WITHDRAWAL FORCE: 6.5N MIN			X		
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.			1)CONTACT RESISTANCE: 55 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X		
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, FOR 2 h IN 3 DIRECTIONS.			1)NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2)CONTACT RESISTANCE: 55 mΩ MAX.			X		
SHOCK		490 m/s ² DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.			3)NO DAMAGE, CRACK AND LOOSENESS OF PART.			X		
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90~95 %, 96 h.			1)CONTACT RESISTANCE: 55 mΩ MAX. 2)INSULATION RESISTANCE: 100 MΩ MIN.			X		
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+15~+35→+85→+15~+35°C TIME 30→2~3→30→2~3 min. UNDER 5 CYCLES.			3)NO DAMAGE, CRACK AND LOOSENESS OF PART.			X		
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1)CONTACT RESISTANCE: 55 mΩ MAX. 2)NO HEAVY CORROSION.			X		
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD:JEIDA-38)						X		
REMARKS										
				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED		
				<i>H. Nakamura</i> 02.06.18	<i>H. Nakamura</i> 02.06.18	<i>H. Kawa</i> 02.06.18	<i>J. Yoshimura</i> 02.06.19			
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.										
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST										
HRS HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET			PART NO. FX8 -100S - SV (22)			
CODE NO.(OLD)		DRAWING NO.		CODE NO.				1		
CL		ELC4 - 150676 - 02		CL 578 - 0205 - 6 - 22				1		

