

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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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		20 mV MAX, 1 mA(DC OR 1000Hz)			55 mΩ MAX.				
MILLIVOLT LEVEL METHOD								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									
HS		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	