

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	100 V AC							
	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 1000 Hz)			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: 70 N MAX. WITHDRAWAL FORCE: 6.5 N 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 2) CONTACT RESISTANCE:55 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.						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:			X	-
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55→+5~+35→+85→+5~+35°C TIME 30→ 10~15→ 30→ 10~15 min. UNDER 5 CYCLES.			100 MΩ MIN. 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	
				K. Kiriya	H. Yamaguchi	H. Okawa	Y. Yoshimura		
				01.04.24	01.04.25	01.04.25	01.04.25		
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(23)		
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1	
CL		ELC4-150676-01			CL 578 - 0205 - 6 - 23			1	