

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: 98 N MAX. WITHDRAWAL FORCE: 9.1 N MIN.			X	—
MECHANICAL OPERATION		50 TIMES INSERTION 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, - m/s ² 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: 100 MΩ MIN.			X	—
RAPID CHAGE OF TEMPERATURE		TEMPERATURE -55→+5~+35→+85→+5~+35°C TIME 30→10~15→30→10~15 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	
				M. Nagata	M. Nagata	H. Okawa	J. Yoshimura		
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.				01.04.06	01.04.06	01.04.06	01.04.06		
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST									
HS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. FX8 - 140S - SV (23)		
CODE NO.(OLD)		DRAWING NO.		CODE NO.		1		1	
CL		ELC4 - 150678 - 02		CL 578 - 0207 - 1 - 23					

FORM NO. 231-1