

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:			X	-	
RAPID CHAGE 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	
				M. Nagata	M. Nagata	H. Okawa	J. Johnson		
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	
CL		ELC4 - 150678 - 02		CL 578 - 0207 - 1 - 23				1	
FORM NO. 231-1									

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