

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICATION STANDARD									
OPERATING TEMPERATURE RANGE		-55 °C TO +85 °C							
RATING VOLTAGE		100 V AC							
CURRENT		0.4 A							
SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENT							
CONSTRUCTION									
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING							
MARKING	CONFIRMED VISUALLY								
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)	45 mΩ MAX.							
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX. 1 mA (DC OR 1000 Hz)	55 mΩ MAX.							
INSULATION RESISTANCE	250 V/DC	100 MΩ MIN.							
VOLTAGE PROOF	300 V/AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN							
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 98 N MAX. WITHDRAWAL FORCE: 9.1 N MIN.							
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS.	1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.							
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.							
SHOCK	490 m/s ² DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.	3) NO DAMAGE, CRACK AND LOOSENESS OF PART.							
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.							
RAPID CHANGE 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.							
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO HEAVY CORROSION.							
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)	X							
REMARKS	DRAWN DESIGNED CHECKED APPROVED RELEASED								
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402									
NOTE	QT: QUALIFICATION TEST AT ASSURANCE TEST X: APPLICABLE TEST	01.04.06	01.04.06	01.04.06	01.04.06	01.04.06			
MRS HIROSE ELECTRIC CO., LTD		SPECIFICATION SHEET		PART NO. FX8 - 140S - SV (23)					
CODE NO. (OLD)	DRAWING NO.	ELC4 - 150678 - 02	CODE NO.	CL 578 - 0207 - 1 - 23					
CL								1	1

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