

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	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 MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000Hz)	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 : 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>J. Nakamura</i>	<i>J. Nakamura</i>	<i>J. Kawahara</i>	<i>J. Yoshimura</i>				
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 (22)				
CODE NO.(OLD) CL		DRAWING NO. ELC4 - 150676 - 02		CODE NO. CL 578 - 0205 - 6 - 22					1 1