

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-4302	S.M.	M.T	95.8.22					

APPLICATION STANDARD	
OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C
STORAGE TEMPERATURE RANGE	°C TO °C
RATING VOLTAGE	100 V AC
OPERATING HUMIDITY RANGE	% TO %
CURRENT	0.4 A
APPLICABLE CABLE	

SPECIFICATIONS						
ITEM	TEST METHOD	REQUIREMENT	QT AT			
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						
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE: N MAX. EXTRACTION FORCE: N MIN.	- -			
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: (0.7 × ※※) N MAX. WITHDRAWAL FORCE: 1 (0.065 × ※※) 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 AT 2 h FOR 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 AT 3 TIMES FOR 3 DIRECTIONS.		○ -			
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 CHAGE OF TEMPERTURE	TEMPERTURE -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.	○ -			
DAMP HEAT,CYCLIC	EXPOSED AT TO °C, TO % TOTAL CYCLES(h).	1) CONTACT RESISTANCE: mΩ MAX. 2) INSULATION RESISTANCE: MΩ MIN.(AT HIGH HUMIDITY) 3) INSULATION RESISTANCE: MΩ MIN.(AT DRY) 4) NO DAMAGE, CRACK AND LOOSENESS OF PART.	- -			
DRY HEAT	EXPOSED AT °C, h.	1) CONTACT RESISTANCE: mΩ MAX. 2) 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-38)		○ -			
SULPHUR DIOXIDE	EXPOSED IN PPM FOR h. (TEST STANDARD:JEIDA-39)		- -			
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C FOR IMMERSION,DURATION, s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	- -			
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	- -			
REMARKS		DRAWN S. MORITA '95.4.20	DESIGNED J. MATSUKAWA '95.4.20	CHECKED M. TOMITA '95.4.20	APPROVED Y. YOSHIMURA '95.4.20	RELEASED

UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST ○: APPLICABLE TEST

HRS HIROSE ELECTRIC CO.,LTD.		SPECIFICATION SHEET		PART NO. FX8-***S-SV	
CODE NO.(OLD) CL	DRAWING NO. SLC4-150730	CODE NO. CL 578 -			