

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKDATE

APPLICATION STANDARD

OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C
VOLTAGE	100 V AC
CURRENT	0.4 A

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	QT	AT
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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	20 mV MAX, 1 mA (DC OR 1000 Hz)	55 mΩ MAX.	X	-
MILLIVOLT LEVEL METHOD			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: 70 N MAX. WITHDRAWAL FORCE: 6.5 N 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 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 CHANGE OF TEMPERATURE	TEMPERATURE:-55~+5~+35~+85~+5~+35°C TIME 30~ 10~15~ 30~ 10~15 min.	100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
CORROSION SALT MIST	UNDER 5 CYCLES. 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-39)		X	-

REMARKS								
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UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.								
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST x: APPLICABLE TEST								

DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
<i>K. Hirayama</i>	<i>H. Okawa</i>	<i>H. Okawa</i>	<i>H. Okawa</i>	
01.04.24	01.04.25	01.04.25	01.04.25	

HRS HIROSE ELECTRIC CO.,LTD.	SPECIFICATION SHEET	PART NO. FX8-100S-SV(23)
CODE NO.(OLD) CL	DRAWING NO. ELC4-150676-01	CODE NO. CL 578 - 0205 - 6 - 23
TO	PCK	1 / 1

