

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

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

APPLICATION STANDARD

OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C
VOLTAGE	AC 50 V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY: 95% MAX (NO DEW CONDENSATION IS PERMITTED)
CURRENT	0.3 A		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	QT	AT
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CONSTRUCTION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING	X	X
GENERAL EXAMINATION	CONFIRMED VISUALLY.		X	X

MARKING			X	X
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ELECTRICAL CHARACTERISTICS			X	X
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)	70 mΩ MAX.	X	X
INSULATION RESISTANCE	100 V DC	100 MΩ MIN.	X	-
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN	X	X

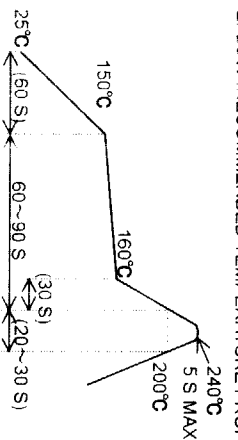
MECHANICAL CHARACTERISTICS			X	-
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR	INSERTION FORCE: 60 N MAX. WITHDRAWAL FORCE: 2.5 N MIN.	X	-
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRactions.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-

VIBRATION	FREQUENCY: 10 TO 55 Hz SINGLE AMPLITUDE: 0.75 mm. m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
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SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	-
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ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95 %, 96 h.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
RAPID CHAGE OF TEMPERATURE	TEMPERATURE: -55→-15→35→ 85→15→35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES.		X	-
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
COLD	EXPOSED AT -55 °C, 96 h.		X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION	X	-
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO HEAVY CORROSION.	X	-
RESISTANCE TO SOLDERING HEAT	REFLOW: RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT	X	-



SOLDERABILITY	TO BE TESTED UNDER THE ABOVE CONDITIONS. SOLDERED AT SOLDER TEMPERATURE. 235 °C FOR IMMERSION DURATION: 2 s.	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.	X	-
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REMARKS				
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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.	FX11A - 100P - SV0.5 (22)
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CODE NO (OLD)	DRAWING NO.	ELC4 - 152623 - 02	CODE NO.	CL 573 - 0643 - 1 - 22
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TO PCK