

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	CHKD	DATE		

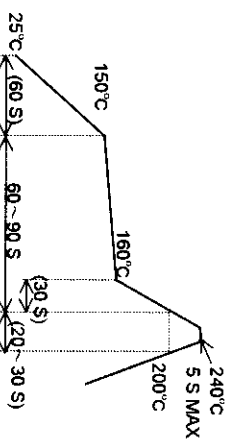
<b>APPLICATION STANDARD</b>		OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C
<b>RATING</b>	VOLTAGE	AC 50 V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)	
	CURRENT	0.3 A			

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENT	Q	T	A
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWING	X	X	X
MARKING	CONFIRMED VISUALLY.		X	X	X
<b>ELECTRICAL CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)	70 mΩ MAX.	X	X	X
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	X	X
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	X
<b>MECHANICAL CHARACTERISTICS</b>					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 48 N MAX. WITHDRAWAL FORCE: 2 N MIN.	X	X	X
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTATIONS.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	X
VIBRATION	FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, m/s <sup>2</sup> AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF PART. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	X
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	X	X

**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	X	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	X	X
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	X
COLD	EXPOSED AT -55 °C, 96 h.		X	X	X
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	X	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	X	X
RESISTANCE TO SOLDERING HEAT	REFLOW / RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	X	X	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	X	X
REMARKS					

DESIGNED	CHECKED	APPROVED	RELEASED
<i>M. Atakeawa</i>	<i>M. Atakeawa</i>	<i>M. Okawa</i>	<i>M. Yoshimura</i>
00.06.20	00.06.20	00.06.21	00.06.23

UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.

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

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	FX11A - 80P - SV(21)
CODE NO. (OLD)	DRAWING NO.	CODE NO.	
CL	ELC4 - 152439 - 01	CL 573 - 0548 - 0 - 21	
			1 / 1

