

APPLICABLE STANDARD															
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>											
	VOLTAGE	50 V AC	OPERATING HUMIDITY RANGE	95 % RH MAX.											
	CURRENT	0.3 A		(NO DEW CONDENSATION IS PERMITTED)											
<b>SPECIFICATIONS</b>															
ITEM		TEST METHOD		REQUIREMENTS											
				QT	AT										
<b>CONSTRUCTION</b>															
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.											
MARKING		CONFIRMED VISUALLY.		×	×										
<b>ELECTRIC CHARACTERISTICS</b>															
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		70 mΩ MAX.											
INSULATION RESISTANCES		100 V DC		100 MΩ MIN.											
VOLTAGE PROOF		150 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.											
<b>MECHANICAL CHARACTERISTICS</b>															
INSERTION AND WITHDRAWAL FORCE		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 54 N MAX. WITHDRAWAL FORCE: 3.6 N MIN.											
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 80 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.											
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE : 0.75 mm, AT 10 CYCLES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.											
SHOCK		490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	-										
<b>ENVIRONMENTAL CHARACTERISTICS</b>															
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.											
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 PARTS.											
DRY HEAT		EXPOSED AT 85 °C, 96 h.		① CONTACT RESISTANCE: 80 mΩ MAX.											
COLD		EXPOSED AT -55 °C, 96 h.		② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.											
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.											
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)		① CONTACT RESISTANCE: 80 mΩ MAX. ② NO HEAVY CORROSION.											
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.											
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 240 ± 3 °C, FOR IMMERSION DURATION, 3 s.		A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">COUNT</th> <th style="width: 45%;">DESCRIPTION OF REVISIONS</th> <th style="width: 15%;">DESIGNED</th> <th style="width: 15%;">CHECKED</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">△</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	△				
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REMARK <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.			APPROVED	HS. OKAWA	05.12.27										
			CHECKED	HS. OZAWA	05.12.22										
			DESIGNED	TK. YANAGISAWA	05.12.21										
Unless otherwise specified, refer to JIS C 5402.			DRAWN	TK. YANAGISAWA	05.12.21										
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-152597-21										
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	FX11A-60P/6-SV(91)											
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL573-0502-0-91	△ 1/1										