
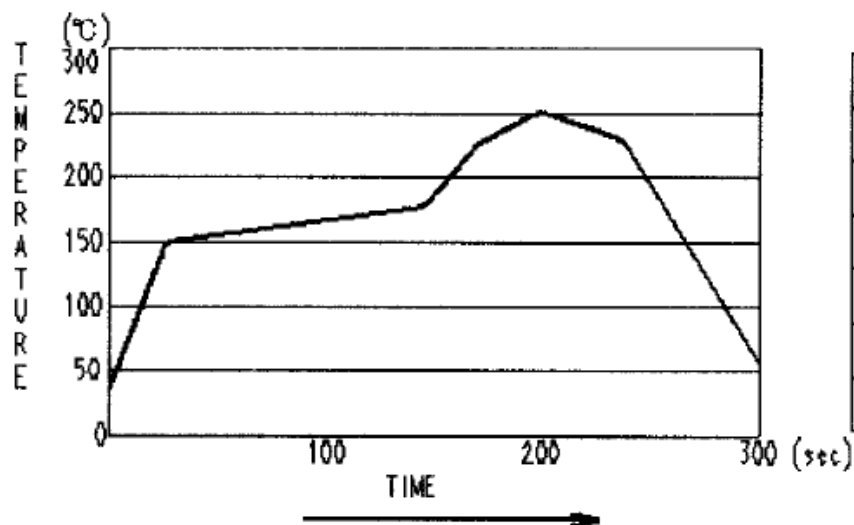


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +80°C	STORAGE TEMPERATURE RANGE	-40°C TO +85°C	
	VOLTAGE	AC 100V	OPERATING HUMIDITY RANGE	5% TO 95%	
	CURRENT	SIGNAL 0.5A (UNSELECTED 4 CONTACTS:1A)	APPLICABLE CABLE	-	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
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).	60 mΩ MAX.	X	—
INSULATION RESISTANCE		250V DC	1000 MΩ MIN.	X	—
VOLTAGE PROOF		350 V AC FOR 1min.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS					
LATCH STRENGTH		APPLYING THE PULL FORCE 49N MAX. TO THE CABLE AXIALLY.	1) DURING APPLYING, MATING COMPLETELY. 2) AFTER APPLYING, NO DEFECT OF MATING PART.	X	—
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. (NOT INCLUDE LATCH)	29.4 N MAX.	X	—
MECHANICAL OPERATION		10000 times INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE : 100mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, FOR 3 DIRECTIONS AT 2 hours.	1) NO ELECTRICAL DISCONTINUITY OF 10μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s2 DIRECTIONS OF PULSE 11 ms AT 3 times FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5 TO 35 → +85 → 5 TO 35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.	1) CONTACT RESISTANCE : 100mΩ MAX. 2) INSULATION RESISTANCE 1000MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90~95 %, FOR 96 hours.	1) CONTACT RESISTANCE : 100mΩ MAX. 2) INSULATION RESISTANCE 10MΩ MIN.	X	—
CORROSION SALT MIST		EXPOSED IN 5±1 % SALT WATER , 35±3 °C FOR 48 hours.	NO HEAVY CORROSION	X	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	NM. NISHIMATSU	15. 10. 27
			CHECKED	KN. ICHIKAWA	15. 10. 27
			DESIGNED	TS. ITO	15. 10. 27
			DRAWN	AK. AKIYAMA	15. 10. 27
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-124149-30-00
	SPECIFICATION SHEET		PART NO.	ST60-10P (30)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL241-0022-5-30	△ 1/2

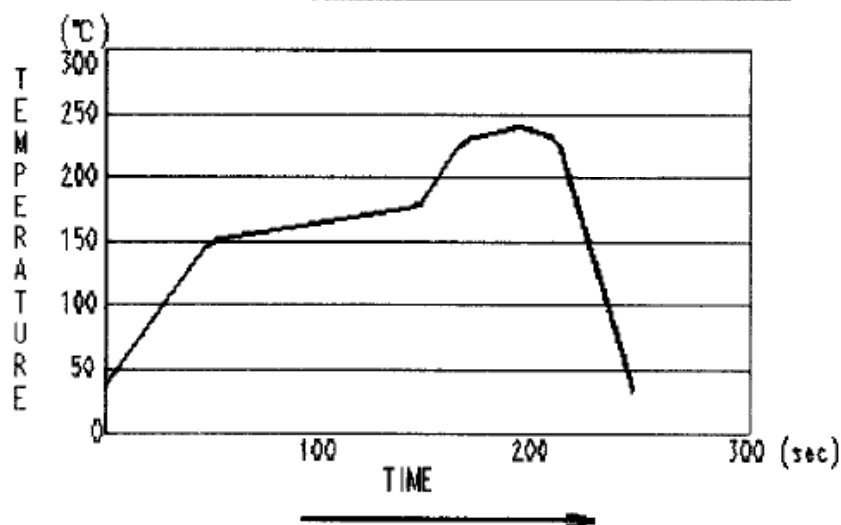
SPECIFICATIONS

FIG.1 REFLOW TEMPERATURE PROFILE



TEMPERATURE RANGE	TIME
150-180	120 sec
200 MIN	95 sec
220 MIN	70 sec
230 MIN	50 sec
245 MIN	20 sec
250	MOMENT

FIG.2. RECOMMENDED REFLOW TEMPERATURE PROFILE



TEMPERATURE RANGE	TIME
150-180	60 sec
200 MIN	55 sec
220 MIN	40 sec
230 MIN	30 sec
235 MIN	20 sec
240	MOMENT

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO.

ELC-124149-30-00

HRS

SPECIFICATION SHEET

PART NO.

ST60-10P (30)

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