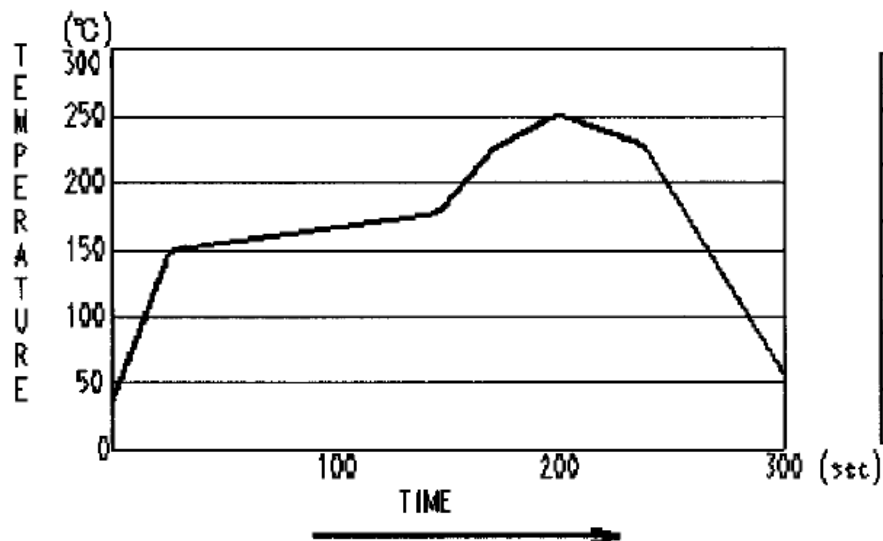


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +80°C	STORAGE TEMPERATURE RANGE	-40°C TO +85°C	
	VOLTAGE	AC100V	OPERATING HUMIDITY RANGE	-% TO - %	
	CURRENT	0.5A	APPLICABLE CABLE	—	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY 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		250 V DC.	1000 MΩ MIN.	X	—
VOLTAGE PROOF		350 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. (+ST60-18P) (NOT INCLUDE LOCK)	1.9~29.4 N MAX.	X	—
MECHANICAL OPERATION		10000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5 ~35 → 85 → 5 ~35°C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) INSULATION RESISTANCE: 1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ±2 °C, 90~95RH %, 96 h.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	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-123914-30-00	
HRS	SPECIFICATION SHEET		PART NO.	ST80X-18S (30)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL241-0020-0-30	△ 1/2

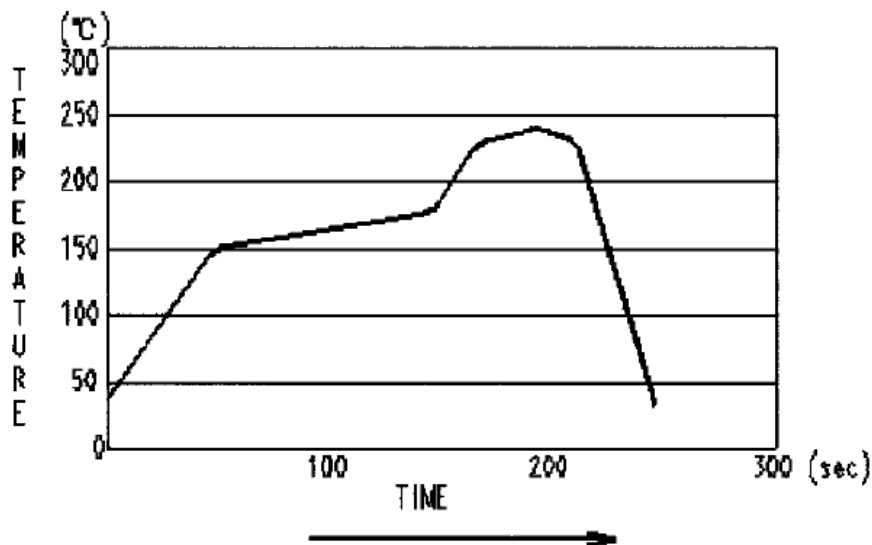
ATTACHMENT FIGURE

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-123914-30-00

HRS

SPECIFICATION SHEET

PART NO.

ST80X-18S (30)

HIROSE ELECTRIC CO., LTD.

CODE NO

CL241-0020-0-30



2/2