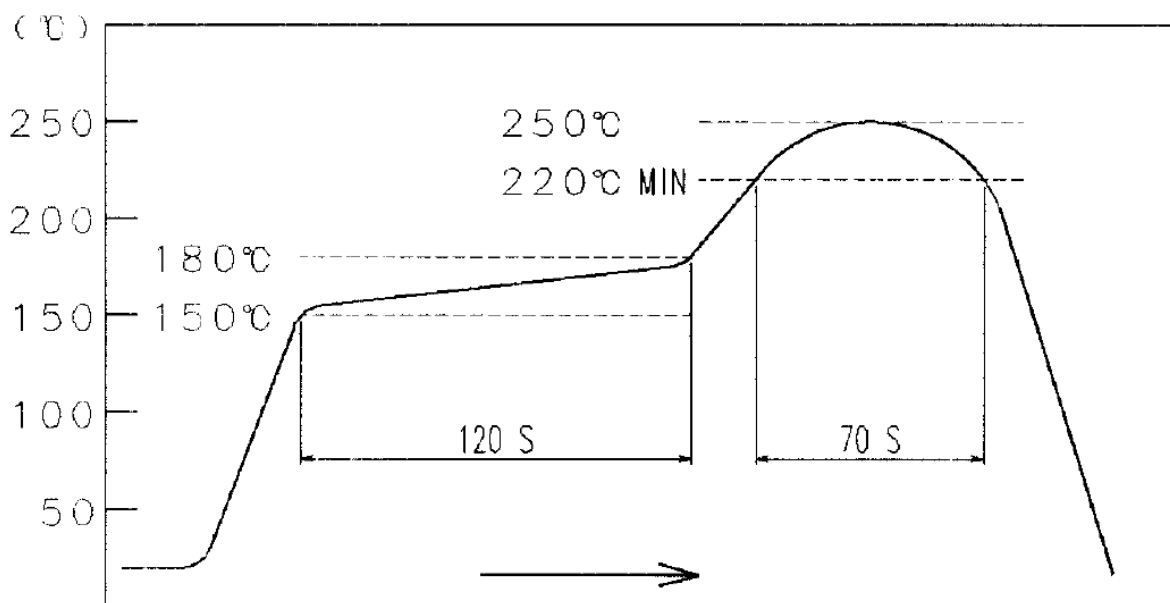


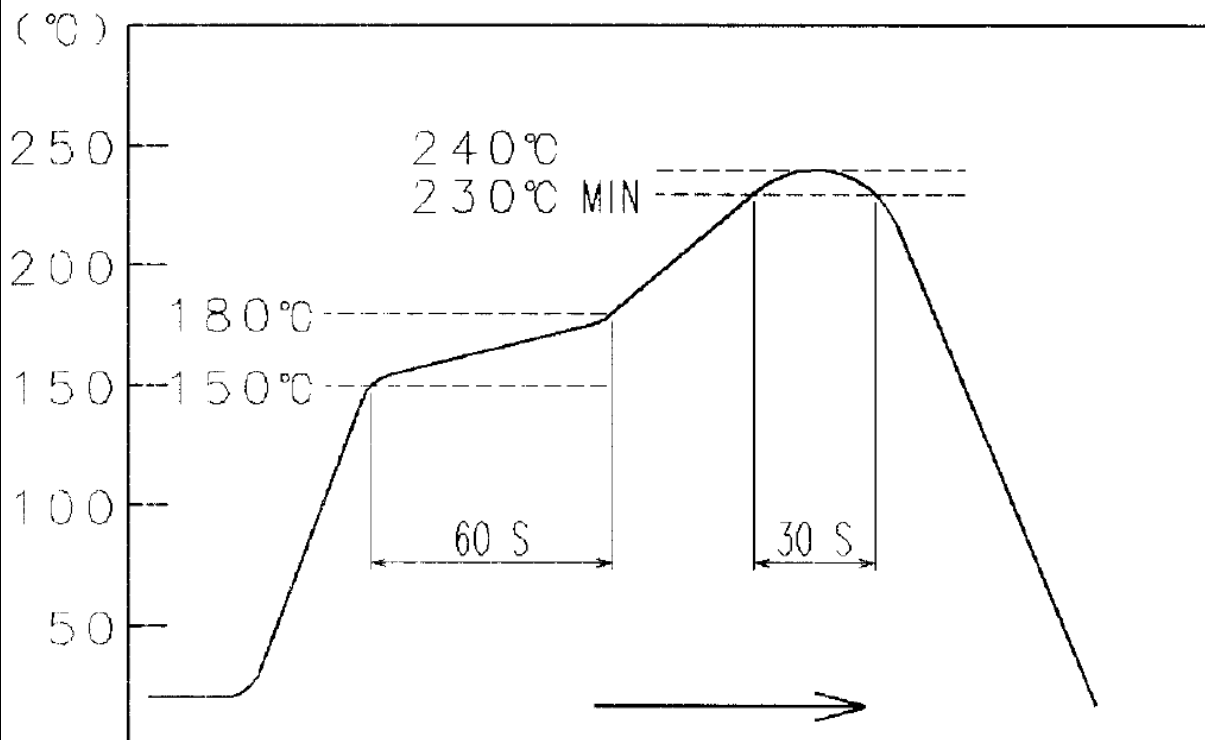
APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +80°C	STORAGE TEMPERATURE RANGE	-40°C TO +85°C	
	VOLTAGE	AC100V	OPERATING HUMIDITY RANGE	5% TO 95 %	
	CURRENT	0.5A (UNSELECTED 4 CONTACTS: 1A)	APPLICABLE CABLE	—	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
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.(TERMINAL AREA) △	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)	29.4 N MAX.	X	—
MECHANICAL OPERATION		10000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 100 mΩ MAX. (TERMINAL AREA) △ 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) NO ELECTRICAL DISCONTINUITY OF10 μs. 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 OF10 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. (TERMINAL AREA) △ 2) INSULATION RESISTANCE: 1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ±3 °C, 90~95RH %, 96 h.	1) CONTACT RESISTANCE: 100 mΩ MAX. (TERMINAL AREA) △ 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	—
REISTANCE TO SOLDERING HEAT (REFLOW)		REFLOW TWICE UNDER THERECOMMENDED REFLOW TEMPERTURE PROFILE IN FIG-1.	NO SIGNIFICANT DEFOMATION OR LOOSENESS OF CONTACTS	X	—
SOLDERBILITY		SOLDERING POINT OF CONTACTS IMMERION IN SOLDER BATH OF 245±3°C, 2~3 sec	SOLDERING POINT OF CONTACTS IMMERSION IN SLDER, 95 % MIN	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△	4	DIS-E-00004983	KN. ICHIKAWA	TU. TANIGUCHI	20210330
REMARK			APPROVED	NM. NISHIMATSU	20151027
			CHECKED	KN. ICHIKAWA	20151027
			DESIGNED	TS. ITO	20151027
			DRAWN	AK. AKIYAMA	20151027
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-124276-30-00
HRS	SPECIFICATION SHEET		PART NO.	ST60X-18S (30)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0241-0028-1-30	△ 1/2

ATTACHMENT FIGURE

FIG-1
SOLDERING HEAT RESISTANCE PROFILE(TEMPERATURE AT CONNECTOR SURFACE)



REFER TO FIG-2
FOR RECOMMENDED REFLOW TEMPERATURE PROFILE(TEMPERATURE AT SMT LEAD)



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

DRAWING NO.

ELC-124276-30-00

HRS

SPECIFICATION SHEET

PART NO.

ST60X-18S (30)

HIROSE ELECTRIC CO., LTD.

CODE NO

CL0241-0028-1-30

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