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	SIGNAL O.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 OF 10 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.		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, 90～95 %, 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	—
RESISTANCE TO SOLDERING HEAT (REFLOW)	REFLOW TWICE UNDER THERECOMMENDED REFLOW TEMPERATURE PROFILE IN FIG-1	NO SIGNIFICANT DEFORMATION OR LOOSENESS OF CONTACTS.	X	—
SOLDERBILITY	SOLDERING POINT OF CONTACTS IMMERSION IN SOLDER BATH OF 245±3℃, 2～3 sec	SOLDERING POINT OF CONTACTS IMMERSION IN SOLDER, 95% MIN	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠	4	DIS-E-00004983	KN. ICHIKAWA	TU. TANIGUCHI	20210330

REMARK

Unless otherwise specified, refer to IEC 60512.

APPROVED	NM. NISHIMATSU	20151027
CHECKED	KN. ICHIKAWA	20151027
DESIGNED	TS. ITO	20151027
DRAWN	AK. AKIYAMA	20151027

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

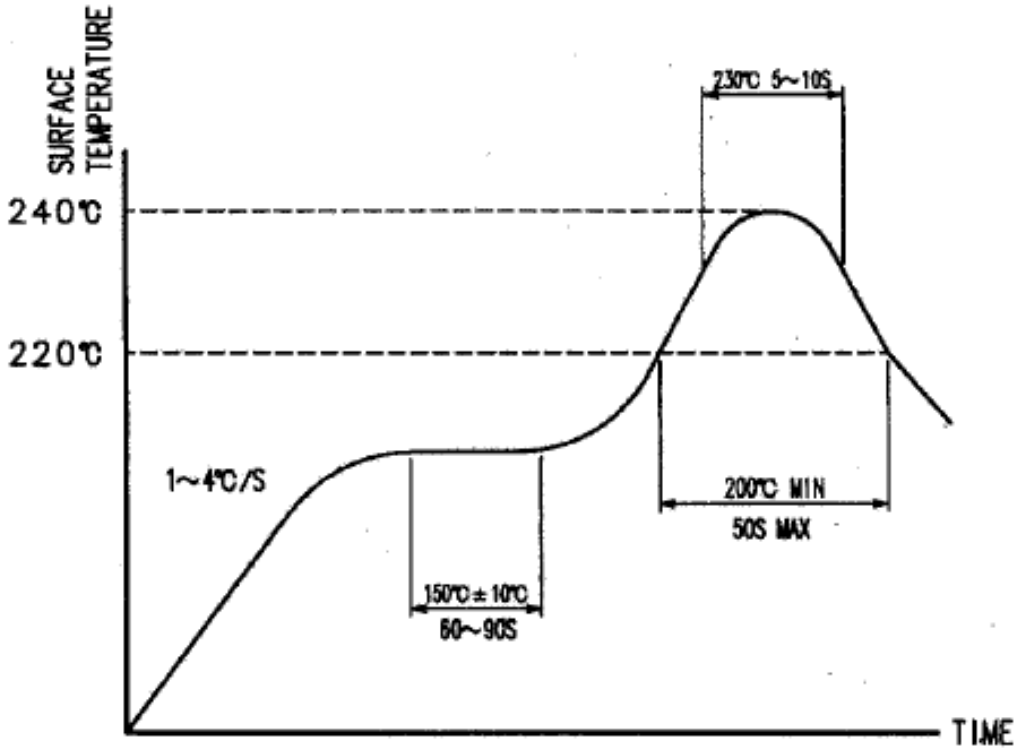
DRAWING NO. ELC-124427-30-00

HRS	SPECIFICATION SHEET	PART NO.	ST60X-36S(30)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0241-0035-7-30	⚠ 1/2

FORM HD0011-2-1

ATTACHMENT FIGURE

FIG-1 RECOMENDED REFLOW TEMPERATURE PROFILE



NOTE. THIS IS RECOMMENDED TEMPERATURE PROFILE.
CONDITIONS COULD BE VARIED
DIPEND ON SORTS OF CREAM.