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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +80°C	VOLTAGE	AC 100 V	
	STORAGE TEMPERATURE RANGE	-40°C TO +85°C	CURRENT	0.5 A(UNSELECTED 4 CONTACTS:1A)	
	OPERATING HUMIDITY RANGE	5% TO 95%			
	APPLICABLE CABLE	OUTER DIAMETER OF CABLE $\phi 4$			
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.				
ELECTRICAL CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		60 m Ω MAX.	X	—
INSULATION RESISTANCE	250 V DC.		1000 M Ω 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. (NOT INCLUDE LOCK)		29.4 N MAX	X	—
MECHANICAL OPERATION	10000 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE : 100m Ω 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 NO ELECTRICAL DISCONTINUITY OF 10 μ s 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 μ s ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 \pm 3 °C, 90~95 %, 96 h		① CONTACT RESISTANCE : 100m Ω MAX ② INSULATION RESISTANCE : 10 M Ω MIN ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 \rightarrow 5~35 \rightarrow +85 \rightarrow 5~35 °C TIME 30 \rightarrow 5 \rightarrow 30 \rightarrow 5 min. UNDER 5 CYCLES.		② CONTACT RESISTANCE : 100m Ω MAX ③ INSULATION RESISTANCE : 1000 M Ω 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 (MANNAL SOLDERING)	SOLDERING POINT OF CONTACTS SOLDERING IRON HEAT OF 350 \pm 10°C,3 \pm 1 sec.		NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SOLDERBILITY	SOLDERING POINT OF CONTACTS IMMERSION IN SOLDER BATH OF 230 \pm 5°C,3 \pm 1 sec.		SOLDERING POINT OF CONTACTS IMMERSION IN SOLDER,95% MIN.	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
Unless otherwise specified, refer to IEC 60512.			DRAWN	AK. AKIYAMA	15. 10. 27
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-123732-30-00	
	SPECIFICATION SHEET		PART NO.	ST40X-18S-CV (30)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL241-0012-1-30	1/1