

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40°C TO 85°C	STORAGE TEMPERATURE RANGE	-40 °C TO +85 °C
	VOLTAGE	125VAC	OPERATING HUMIDITY RANGE	5 % TO 95 %
	CURRENT	1A	APPLICABLE CABLE	AWG 28(7/0.127) UL20276 INSULATOR DIA φ0.58 CABLE DIA φ6.4

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	40 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

<b>MECHANICAL CHARACTERISTICS</b>				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	32 N MAX.	X	—
MECHANICAL OPERATION	20000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 60 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) NO ELECTRICAL DISCONTINUITY OF 10μs. 2) CONTACT RESISTANCE : 60 mΩ MAX	X	—
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60°C , 90~95%, 96h	1) CONTACT RESISTANCE : 60 mΩ MAX 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY)	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5-35 → +85 → 5-35 °C TIME 30 → 2~3 → 30 → 2~3 min. UNDER 5 CYCLES.	3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	—
MIXED GAS CORROSION	EXPOSED IN SO <sub>2</sub> 10 ppm , H <sub>2</sub> S 3ppm 70 ~ 80% RH, FOR 96 h			

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				

REMARK	APPROVED	HO. MIWA	07.07.13
	CHECKED	SJ. SHIMIZU	07.07.12
	DESIGNED	TS. ITO	07.07.12
	DRAWN	TS. ITO	07.07.12

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-124785-02
--	-------------	----------------

<b>HRS</b>	SPECIFICATION SHEET	PART NO.	3530A-24P-CV (57)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL235-0024-9-57	△ 1/1