



PLC module 6ES7505-0KA00-0AB0

URL: <https://www.sxplc.com/plc-module-6es7505-0ka00-0ab0>

Product data sheet

General Information

Product Type Mark PS 25W 24VDC

Hardware Functional Status FS01 or higher

Firmware version from V1.0.0 onwards

With program package

- STEP 7 TIA port, configurable/integrated, since version V12 / V12
- STEP 7 configurable/integrated, version V5.5 SP3 or higher for self-protection.

Supply voltage

Nominal value (DC) 24 V

Permissible range, lower limit (DC) 19.2 V; static 19.2 V, dynamic 18.5 V

Permissible range, upper limit (DC) 28.8 V; static 28.8 V, dynamic 30.2 V

Reverse polarity protection Yes

Short-circuit protection yes

Power and voltage disconnect jumper

● Blackout/power failure jumper time 20 ms

Input current

Rated at DC 24 V 1.3 A

Output current

Short-circuit protection yes

Power

Feed power on the backplane bus 25 W

Power loss

Power loss at rated conditions 6.2 W

Alarm/diagnostic/status messages

Status Display Yes

Potential isolation

Primary/Secondary Yes

Insulation

Insulation test with 707 V DC (test type)

EMV

Resistance to nickel-hydration (surge) against impulse voltages

Power conductor dryness according to IEC 61000-4-5 Yes; ± 1 kV (according to IEC 61000-4-5; 1995; symmetrical surges), ± 2 kV (according to IEC 61000-4-5; 1995; asymmetrical surges)

61000-4-5; 1995; asymmetric surge), no external protection circuitry required

Protection classes and categories

Equipment protection class III with safety lead attached

Environmental Requirements

Ambient temperature during operation

- Minimum -25 °C

- Maximum 60 °C

Operating altitude at the reference sea level

Maximum installation altitude 5,000 m; limited for installation altitudes >2,000 m, see manuals

Size

Width 35 mm

Height 147 mm

Depth 129 mm

Weight, approx. 350 g

