AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7522-1BL01-0AB0

32-channel digital output module

CHANNELS	OUTPUT	CURRENT	FAMILY
32 digital outputs	**24 V DC nominal**	**0.5 A / channel**	**S7-1500 / ET 200MP**

The Siemens 6ES7522-1BL01-0AB0 is a High Feature digital output module for SIMATIC S7-1500 and ET 200MP configurations. It provides 32 transistor outputs, arranged in electrically isolated groups of eight, for switching nominal 24 V DC loads.

01 VERIFIED TECHNICAL INFORMATION

Output channels	32, sourcing transistor outputs
Load-group isolation	Electrically isolated groups of 8 channels
Nominal output voltage	24 V DC
Rated channel current	0.5 A per channel; respect load and derating limits
Aggregate output current	Up to 4 A/group and 16 A/module, subject to derating
Output short-circuit protection	Clocked electronic protection; typical response threshold 1 A
Signal-1 output voltage	Minimum L+ minus 0.8 V

Manufacturer evidence: DQ 32x24VDC/0.5A HF (6ES7522-1BL01-0AB0); exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Signal-0 residual current	Maximum 0.5 mA; can cause indicator flicker
Resistive-load output delay	Maximum 100 us ON / 500 us OFF
Maximum switching frequency	100 Hz resistive; 0.5 Hz inductive DC-13; 10 Hz lamp
Typical power loss	3.5 W (06/2018 manufacturer specification)
CPU STOP response	Turn off, retain last value, or output substitute value 1
Switching-cycle counter	FW V1.1.0 or later; supported hardware and configuration required
Module dimensions	35 x 147 x 129 mm (W x H x D), not packed size

03 SOURCE AND CONFIGURATION CHECKS

Each channel is rated at 0.5 A, with aggregate loading subject to the manufacturer's temperature and mounting-position limits. Configurable diagnostics and substitute responses support fault handling, while switching-cycle counting requires the documented firmware, hardware status and engineering configuration.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

Siemens 12/2014; S1 source pp. 3,37-38,42,49-55,60,65-69,142,144

AMIKON PRODUCT SUPPORT

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