AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7132-6BH00-0BA0

Sixteen Channel Standard Digital Output



OUTPUTS	LOAD	CHANNEL	BASEUNIT
16 DQ	**24 V DC**	**0.5 A**	**A0 / CC00**

Siemens 6ES7132-6BH00-0BA0 is a SIMATIC ET 200SP Standard digital output module providing sixteen 24 V DC sourcing channels. It supplies up to 0.5 A per channel for suitable loads, with the permissible combined current determined by mounting orientation and temperature.

01 VERIFIED TECHNICAL INFORMATION

Output channels	16 sourcing digital outputs (PNP)
Load supply	24 V DC nominal; permissible range 19.2-28.8 V DC
Rated output current	0.5 A per channel
Combined output-current derating	Horizontal: 8 A to 40 C, 6 A to 50 C, 4 A to 60 C; vertical: 8 A to 30 C, 6 A to 40 C, 4 A to 50 C
Lamp switching capacity	Maximum 5 W per channel
Output switching delay	Typical 50 microseconds ON and 100 microseconds OFF with resistive load
Off-state residual current	Maximum 0.1 mA

Manufacturer evidence: Digital output module DQ 16x24VDC/0.5A ST (6ES7132-6BH00-0BA0); exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Load resistance range	48 ohm to 12 kohm
Short-circuit protection	Provided; typical response threshold 0.7-1.3 A
BaseUnit and terminal code	BU type A0; CC00
Process-image allocation	2 output bytes; optional 2 input bytes for QI with the supported V1.1 configuration
No-load current consumption	Maximum 60 mA
Diagnostic reporting	Supply-voltage, wire-break and short-circuit monitoring; module-wise diagnostic alarms
Channel isolation	Channels isolated from backplane bus, not from one another
Firmware update capability	Supported by the historical module; actual firmware version and available update package require verification

03 SOURCE AND CONFIGURATION CHECKS

The module connects through an A0 BaseUnit with CC00 identification and occupies two output bytes. Configurable diagnostics monitor the module's supply and output circuits, while channel settings define activation and substitute behavior. Firmware V1.1 adds an optional two-byte quality-information input area.

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

Original Siemens documentation (third-party-hosted copy)

AMIKON PRODUCT SUPPORT

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