

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7132-6BH01-0BA0

ET 200SP Standard Output Module

OUTPUTS	RATING	BASEUNIT	CLASS
16 PNP	24 V / 0.5 A	A0 / CC00	Standard

Siemens 6ES7132-6BH01-0BA0 is the DQ 16x24VDC/0.5A Standard output module for SIMATIC ET 200SP. Sixteen current-sourcing channels switch 24 V DC loads through an A0 BaseUnit, with a 0.5 A channel rating and an overall current limit that depends on mounting position and temperature.

01

VERIFIED TECHNICAL INFORMATION

Output channels	16 current-sourcing PNP outputs
Load supply voltage	24 V DC nominal; permitted range 19.2-28.8 V DC
Output current limits	0.5 A per channel; up to 8 A total, with temperature and mounting-position derating
Load-resistance range	48 ohm to 12 kohm
Lamp-load capacity	Maximum 5 W
Off-state residual current	Maximum 0.1 mA; not eliminated by disabling wire-break diagnostics
Resistive-load switching delay	Typically 50 microseconds on and 100 microseconds off

Manufacturer evidence: Digital output module DQ 16x24VDC/0.5A ST (6ES7132-6BH01-0BA0); exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Electronic short-circuit protection	Typical response threshold 1 A; stated range 0.7-1.3 A
BaseUnit interface	Type A0; CC00 color coding; type A1 not permitted
Process address allocation	2 output bytes; QI configuration adds 2 input bytes for value status
Configurable diagnostic scope	Module-level missing supply, wire-break, short-to-ground and short-to-L+ reporting
CPU STOP response	Turn outputs off, retain the last value, or output configured substitute values
Potential separation	Outputs isolated from the backplane bus; no isolation between channels
Runtime parameter assignment	WRREC using data record 128; configured STEP 7 settings apply again after restart
Firmware update capability	Documented firmware V0.0; firmware update not supported

03 SOURCE AND CONFIGURATION CHECKS

Configurable diagnostics monitor missing supply voltage, wire breaks and output short circuits at module level. The QI configuration additionally provides a status bit for each output, while channel activation and substitute-value settings determine operation during controller stops. CC00 identifies the module-specific terminal coding.

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

AMIKON PRODUCT SUPPORT

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