AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7521-1BH10-0AA0

DI 16x24VDC BA Input Module

INPUTS	SIGNAL	DELAY	HOUSING
16 channels	**24 V DC**	**Fixed 3-4 ms**	**25 mm width**

Siemens 6ES7521-1BH10-0AA0 is the basic sixteen-channel digital input module for S7-1500 and ET 200MP. Its 25 mm housing accommodates sinking 24 V DC inputs with fixed filtering, making its function set distinct from the wider HF input variant.

01 VERIFIED TECHNICAL INFORMATION

Digital inputs	16
Rated input voltage	24 V DC
Input characteristic	Sinking; IEC 61131 Type 3
Electrical grouping	16 channels in one group; no individual channel isolation
Permitted supply range	20.4-28.8 V DC
Input delay	Fixed; 3-4 ms for either transition
Logic 0 input range	-30 to +5 V DC

Manufacturer evidence: Digital input module DI 16x24VDC BA (6ES7521-1BH10-0AA0); exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Logic 1 input range	+11 to +30 V DC
Input current at logic 1	2.7 mA typical
Two-wire sensor quiescent current	1.5 mA maximum
Maximum signal cable length	1000 m shielded; 600 m unshielded
Backplane power consumption	1.05 W
Typical power loss	1.8 W
Diagnostic and hardware interrupts	Not provided
Module-internal Shared Input	Supported on PROFINET with the documented engineering/interface requirements

03 SOURCE AND CONFIGURATION CHECKS

The module supports conventional input addressing and documented PROFINET shared-input configurations, but it does not provide configurable channel diagnostics or counters. A push-in front connector belongs to the manufacturer's listed delivery scope; the actual spare-part supply should still be checked against the quotation.

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. 3,37-38,49-58,60,65-69,75-76,144,183-187

AMIKON PRODUCT SUPPORT

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