AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7153-1AA02-0XB0

ET 200M PROFIBUS Interface

INTERFACE	STATION LIMIT	ADDRESS SPACE	VERSION CHECK
IM 153-1 / PROFIBUS DP	**Up to 8 I/O modules**	**128 bytes per direction**	**Direct exchange from E07**

Siemens 6ES7153-1AA02-0XB0 is the IM 153-1 slave interface for connecting an ET 200M distributed I/O station to PROFIBUS DP. The documented station accepts up to eight S7-300 I/O modules and communicates with the controlling system through its PROFIBUS connection.

01 VERIFIED TECHNICAL INFORMATION

Communication protocol	PROFIBUS DP to EN 50 170
Transmission rate	Up to 12 Mbit/s; automatic bus-rate recognition
Station module capacity	Up to eight S7-300 I/O modules
Process address space	Up to 128 bytes for inputs and 128 bytes for outputs
PROFIBUS connector	9-pin sub-D female
PROFIBUS interface output current	90 mA maximum
Supply voltage	24 V DC nominal; 20 to 30 V including ripple in the historical catalog

Manufacturer evidence: Catalog ST40 - ET 200M / IM 153 Interface; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Power-failure buffering	5 ms
Backplane supply output	5 V DC, up to 1 A for the backplane bus
Degree of protection	IP20
Minimum slave interval	0.1 ms between two slave-list cycles
SYNC and FREEZE	Supported
Direct data exchange	Available from module version E07
DPV1 mode	Not supported in the AA02 comparison column

03 SOURCE AND CONFIGURATION CHECKS

The AA02 generation supports SYNC and FREEZE, with direct data exchange depending on the module version. Its limits differ from later IM 153-1 variants: the manufacturer comparison does not list DPV1 or enhanced 64-byte diagnostics for AA02. Selection therefore requires the complete order number and version.

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 12/2008; M2 source pp. 241-242

AMIKON PRODUCT SUPPORT

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