

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7155-5BA00-0AB0

SIMATIC ET 200MP | IM 155-5 DP ST

SUPPLY	I/O CAPACITY	BUS	RATE
24 V DC	12 modules max.	PROFIBUS DP	12 Mbit/s max.

Siemens 6ES7155-5BA00-0AB0 connects an ET 200MP distributed I/O station to a PROFIBUS DP master. The integrated backplane supply powers compatible I/O modules; the installed module count must satisfy both the station limit and the power budget.

01

VERIFIED TECHNICAL DATA

Permitted supply range, current catalog	19.2 to 28.8 V DC
Rated input current	0.2 A at 24 V DC, without load
Maximum input current	1.2 A at 20.4 V DC, maximum load
Backplane infeed power	14 W
Power loss, typical	4 W
Address space per I/O module	64 bytes input and 64 bytes output maximum
Address space per station	244 bytes input and 244 bytes output maximum
Identification and maintenance data	I&M0 to I&M3

Basis: the exact-model Siemens SiePortal technical table, checked 03 September 2026. Current catalog values are not a certificate of the firmware or hardware revision of an individual stocked unit.

02 CONFIGURATION & OPERATING LIMITS

Communication interface	One RS485 PROFIBUS DP port; DPV1 supported
TIA Portal integration	From V13 in the current catalog; match the device version
Module hot swapping	Not supported
Operating temperature	Horizontal: up to 60 C; vertical: up to 40 C. Minimum -25 C applies from FS04 only.
Module dimensions (W x H x D)	35 x 147 x 129 mm; not packed dimensions
Catalog packaging (L x W x H)	15.4 x 15.1 x 5.00 cm

03 INTEGRATION & ORDERING CHECKS

- Use a unique PROFIBUS station address from 1 to 125 and match it to the engineering configuration.
- The 12-module limit is subject to the 14 W backplane budget. Do not assume every 12-module combination is permissible.
- Siemens lists connector 6ES7972-0BB70-0XA0 in the catalog package. Verify the actual supplied scope in the quotation.
- The catalog lists Active Product and also a planned phase-out notice. Confirm lifecycle timing directly with Siemens before a long-term redesign.

04 DOCUMENTATION & REVISION CHECK

Current Siemens product record - [6ES7155-5BA00-0AB0](#)

Siemens module manual - [A5E32346748-AA](#), 08/2013

The 2013 manual contains older revision-dependent ratings. Its selected wiring and diagnostic pages are retained in the companion manual; use current applicable specifications for engineering.

AMIKON PRODUCT SUPPORT

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