TB541-ETH

ABB | AC500 V2

Terminal base for one AC500 processor module and four communication modules, with Ethernet RJ45 networking.

Technical Data

Complete model	TB541-ETH
Order number	1SAP 114 100 R0270
Product type	AC500 terminal base
Slots	1 processor module; 4 communication modules
Supply connection	24 V DC via removable 5-pin spring terminal block
Maximum current consumption	0.6 A from 24 V DC, including installed processor, communication modules and I/O bus supply
Interfaces	I/O bus, COM1, COM2 and FBP; Ethernet RJ45 through the installed compatible CPU
Dimensions	179.5 x 135 x 28 mm, width x height x depth
Net weight	250 g terminal base without processor module
Mounting	Horizontal or vertical; 35 mm DIN rail or screw mounting with TA526 accessories
Protection	IP20 when the complete system is correctly assembled and unused slots are covered
Process/supply voltage	24 V DC (-15%, +20%); reverse-polarity protection

Official Source and Relevant Pages

- ABB Data Sheet 3ADR010066, revision 14, 2025-11-28: page 1 ordering data; page 2 dimension drawing; page 3 electrical data; page 4 interfaces, weight and mounting position.

- ABB Hardware Manual 3ADR010121, revision 23: pages 4-13 for terminal-base construction, connections, installation and compatibility.

- Official product page/order code: https://www.abb.com/global/en/products/1sap114100r0270