MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ABB

TB541-ETH

ETHERNET CPU TERMINAL BASE

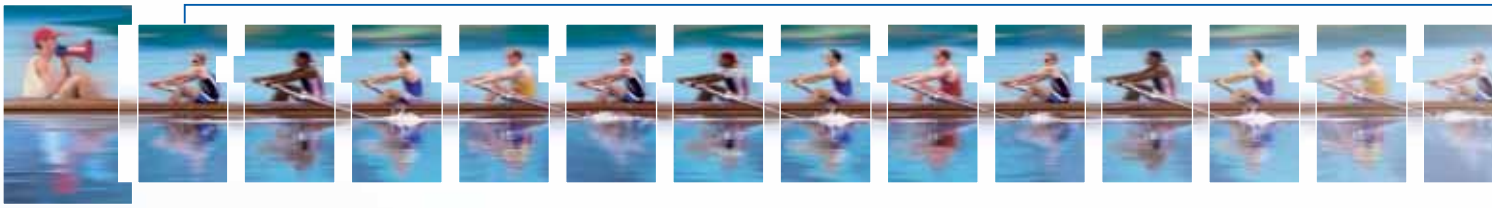
Used with the applicable AC500 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: ABB AC500 Technical Catalog 2CDC125002B0207



Profibus DP communication module

For Profi bus DP master V0/V1. Multi master funcitonality. Transfer rate: 9.6 kbit/s up to 12 Mbit/s.
Max. no. of subscribers: 126 (V0) or 32 (V1). CPU interface: 8 kB dual-port memory.
Contains a separate communication processor and 256 kB RAM memory.
No external power supply required.

Type	Interface	Order code	Weight per piece/kg
CM572-DP	Sub-D socket	1SAP 170 200 R0001	0.115

DeviceNet communication module

For DeviceNet master. Transfer rate: 125 kbit/s, 250 kbit/s, 500 kbit/s.
CPU interface: 8 kB dual-port memory.
Contains a separate communication processor, 256 kB RAM memory and 512 kB fl ash memory.
No external power supply required.

Type	Interface	Order code	Weight per piece/kg
CM575-DN	Plug-in terminal block, spring-type terminals	1SAP 170 500 R0001	0.115

CANopen communication module

For CANopen master. Transfer rate: 10 kbit/s up to 1 Mbit/s.
CPU interface: 8 kB dual-port memory.
Contains a separate communication processor, 256 kB RAM memory and 512 kB fl ash memory.
No external power supply required.

Type	Interface	Order code	Weight per piece/kg
CM578-CN	Plug-in terminal block, spring-type terminals	1SAP 170 800 R0001	0.115

Terminal base

For mounting and connection of the CPUs and communication modules
1 to 4 plug-in communication modules
Connection for communication coupler integrated in the CPU
I/O interface for direct connection of up to 10 expansion modules
Fieldbus-neutral FieldBusPlug-Slave interface
Connection COM1: 9-pole pluggable terminal block
Connection COM2: 9-pole SUB-D (socket)

Type	Number of coupler slots	Connection for coupler integrated in the CPU	Order code	Weight per piece/kg
TB511-ETH	1	Ethernet RJ45	1SAP 111 100 R0170	
TB511-ARCNET	1	ARCNET COAX	1SAP 111 100 R0160	
TB521-ETH	2	Ethernet RJ45	1SAP 112 100 R0170	0.215
TB521-ARCNET	2	ARCNET COAX	1SAP 112 100 R0160	
TB541-ETH	4	Ethernet RJ45	1SAP 114 100 R0170	

Interface modules

For decentralized I/Os

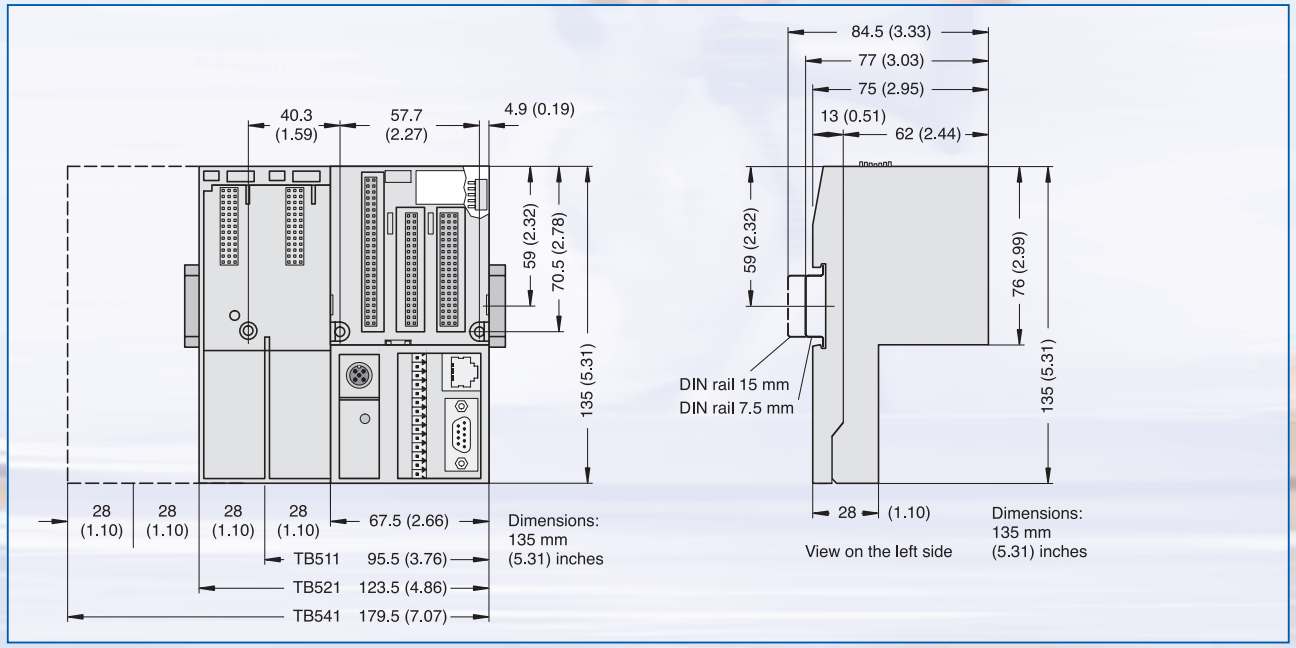
DC505-FBP — Communication via FieldBusPlug with Profi bus DP or DeviceNet (in preparation: CANopen)
Fieldbus-dependent FieldBusPlug required

DC551-CS31 — Communication via internal interface with CS31 system bus
Plug-in electronic modules, terminal block TU551 or TU552 required
DC: Channels can be confi gured individually as inputs or outputs

Type	Number of DI/DO/DC	Input signal	Output signal	Order code	Weight per piece/kg
DC505-FBP	8/–/ 8	24 V DC	Trans. 24 V DC, 0.5 A	1SAP 220 000 R0001	0.3
DC551-CS31	8/ –/16	24 V DC	Trans. 24 V DC, 0.5 A	1SAP 220 500 R0001	0.3

Dimensions

CPU terminal base TB511, TB521 and TB541



I/O expansion and interface module terminal unit

