MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Amikon cover with selected original manufacturer reference pages

AC 800M High Integrity / 3BSE031151R1

PM865K01 3BSE031151R1

HIGH INTEGRITY PROCESSOR UNIT

OFFICIAL SOURCES

ABB AC 800M Controller and Communication Interfaces Data Sheet 3BSE063691. Selected original pages retain their content, color and aspect ratio.

Always install a fresh internal or external battery at the end of the installation phase. The original battery is heavily utilized due to frequent blackouts during system installation.

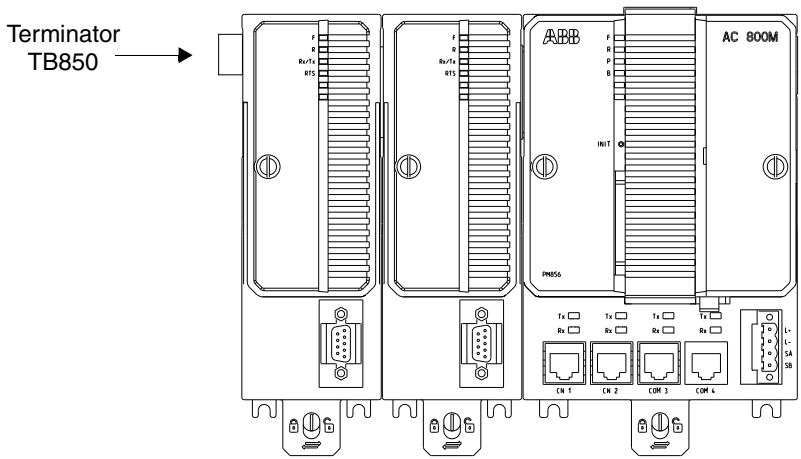

Figure 25. TB850 Terminator for CEX-Bus (male)

A TB850 male CEX-Bus termination unit is supplied with each package (PM851K01, PM851AK01, PM856K01, PM856AK01, PM858K01, PM860K01, PM860AK01, PM861K01, PM861AK01, PM862K01, PM864K01, PM864AK01, PM865K01, PM866K01, PM866AK01, and PM867K01) of the PM8xx/TP830 processor unit.

PM851/PM851A is restricted to a maximum of one CEX module.

Table 62. PM865 and TP830 – Technical data (Continued)

Item	Value
Weight	• 1200 g (2.6 lb) (package PM865K01). • 2800 g (6.1 lb) (package PM865K02).
Dimensions	W 119 x H 186 x D 135 mm (4.7 x 7.3 x 5.3 in) Width is measured along the DIN-rail, depth from the wall, and height vertically, including lock mechanism.

Communication Ports and Interfaces

Technical data for communication ports and interfaces is described in Table 47 on page 247.

Battery

The memory content is backed up with either an internal or external battery unit (SB821). For back-up time see Table 63 on page 275.

The figures in Table 63 on page 275 are valid if the batteries have been installed after a normal CPU power-up, allowing for the memory back-up function to be activated.

Table 63. Back-up times for PM865

Source	Back-up time
Internal battery	Minimum 235 hours
External battery SB821	Minimum 24 weeks
External battery SB822 Note: Recharge time for an empty battery is approximately 7 hours.	Minimum 3 weeks when fully charged

Table 49 on page 249 shows internal battery data. For external battery data, see SB821 External Battery – AC 800M Memory Back-up on page 417 and SB822 Rechargeable External Battery – AC 800M Memory Back-up on page 419.