AC 800M TRIO/GENIUS

Product Data Sheet

CI862K01

Fieldbus interface kit

COMMUNICATION RATES	GALVANIC ISOLATION	FIELDBUS CONNECTOR	CEX SUPPLY VOLTAGE
38.4, 76.8 and 153.6 kbit/s	**Yes**	**4-pin**	**24 V DC**

ABB CI862K01 is an AC 800M communication interface kit for TRIO/Genius, supplied with the TP862 baseplate. It transfers process communication between the controller CEX-Bus and the corresponding external network.

01 TECHNICAL DATA

Bus topology	Daisy-chained shielded pair or twinax
Communication rates	38.4, 76.8 and 153.6 kbit/s
Maximum segment population	32 devices; 16 at 38.4 kbit/s
Termination resistance	75, 100, 120 or 150 ohm at both ends
Maximum cable length	7500 ft at 38.4 kbit/s; cable dependent
Galvanic isolation	Yes
Fieldbus connector	4-pin
Handheld monitor interface	9-pin D-sub
CEX supply voltage	24 V DC
Supply current	190 mA typical; 200 mA maximum

02 ADDITIONAL PRODUCT DATA

Hot exchange	Supported
Processor clock	32 MHz
SDRAM capacity	8 MB
Flash memory	2 MB
Interface indicators	Run, fault, communication error, primary and dual

03 PRODUCT FUNCTION

The CI862 board contains a ColdFire processor and a microGenie communication module. It provides a four-pin TRIO fieldbus connection, a handheld-monitor connection and the documented redundancy-link interface, with galvanic isolation and selectable bus rates.

04 SYSTEM COMPATIBILITY

Build the TRIO/Genius network as a shielded daisy chain. Match the baud rate, cable length and terminating resistors at both ends; the maximum population is reduced to 16 devices at 38.4 kbit/s.

05 REFERENCE

ABB AC 800M Controller Hardware 3BSE036351-600 A

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