AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

CI854AK01 3BSE030220R1

PROFIBUS DP Interface Kit

TYPE	REFERENCE	FAMILY	SCOPE
PROFIBUS DP Interface Kit	**CI854AK01**	**AC 800M**	**Exact-model data**

ABB CI854AK01 3BSE030220R1 combines the CI854A communication module with a TP854 baseplate for PROFIBUS DP connection to AC 800M. Two baseplate connectors support redundant bus lines, while the module provides cyclic and acyclic communication with documented master and slave redundancy capabilities.

01 DOCUMENTED PRODUCT REFERENCE

Fieldbus protocol	PROFIBUS DP
DP service role	Master Class 1 and Class 2; cyclic and acyclic communication
Transmission speed	9.6 / 19.2 / 93.75 / 187.5 / 500 / 1500 / 3000 / 6000 / 12000 kbit/s
Physical bus interface	RS-485
Fieldbus connectors	2 x DB9 female, on TP854 baseplate
Network node capacity	32 without repeaters; up to 124 with repeaters
Bus-line redundancy	Supported
DP master redundancy	Supported by CI854A

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Module replacement capability	Hot swap supported by CI854A
Galvanic isolation	Yes
Power supply interface	24 V DC via CEX-Bus
Current consumption	190 mA typical; 240 mA maximum, from CEX-Bus 24 V DC
Power dissipation	4.6 W typical
Protection rating	IP20, EN 60529 / IEC 529
Mounting interface	DIN rail with preset two-letter alpha-code lock

03 APPLICATION AND CONFIGURATION

- CI854AK01 and 3BSE030220R1 marking
- CI854A module and TP854 baseplate
- Bus speed, nodes and line termination
- Configured master and slave redundancy
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB AC 800M Controller Hardware, 3BSE036351-600 A

ABB AC 800M Controller Hardware, 3BSE036351-600 A, pp. 316-320. Article identity: ABB 3BSE063691, p. 7.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN

AMIKONG.COM