

ABB - AC 800M

BC810K01 3BSE031154R1

CEX-Bus Interconnection Unit Kit

Verified specifications

Article number	3BSE031154R1
Unit	BC810 CEX-Bus interconnection unit with TP857 baseplate
Nominal supply	24 VDC
Supply range	19.2 to 30 VDC
Current consumption	50 mA typical; 70 mA maximum
Power dissipation	1.2 W typical
Status indication	Error, Run, External Power OK and two traffic LEDs
Hot swap	Supported
Protection	IP20
Dimensions	5.9 × 18.5 × 12.75 cm (W × H × D), BC810 with TP857

Product summary

ABB BC810K01 3BSE031154R1 is an AC 800M CEX-Bus interconnection unit kit used to extend and segment the communication bus for CEX modules.

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Additional verified specifications

Package weight	0.70 kg; not entered as product net weight
Approvals	UL 508; UL 60079-15; Class I Zone 2

CEX-Bus Layout

- Place the interconnection unit only in the supported AC 800M CEX-Bus architecture
- Preserve the physical order, termination and cable route of connected CEX modules
- Confirm that the project hardware tree matches the rebuilt bus segment

Power and Status

- Provide 24 VDC within the documented 19.2 to 30 V range
- Use the External Power OK, Run, Error and traffic LEDs during commissioning
- Check both supply wiring and bus communication when a segment remains offline

Replacement Work

- Record module order, addresses, cable labels and active diagnostics before removal
- Manage hot-swap work under the approved plant procedure
- Verify all downstream CEX modules and recovery after a controlled power cycle

Applications

- AC 800M CEX-Bus extension between controller-side communication modules
- Segmentation of CEX-Bus module groups in System 800xA control cabinets
- Hot-service replacement of a documented BC810 CEX-Bus interconnection position

Evidence boundary: ABB gives dimensions for BC810 with TP857 and separately labels 0.70 kg as package weight. The package value is disclosed but is not used as the product Weight field.