

ABB

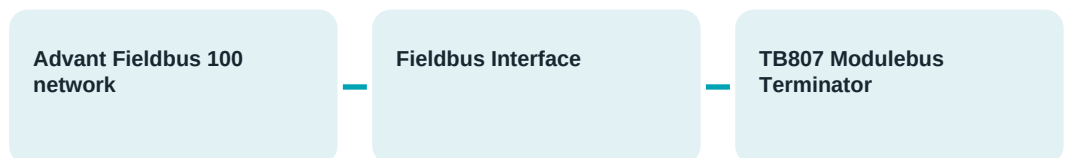
CI810B 3BSE020520R1

Complete Product Information

ABB CI810B 3BSE020520R1 is an S800 I/O field communication interface with two Advant Fieldbus 100 twisted-pair connections.

FAMILY	S800 I/O and Advant Fieldbus 100
DOCUMENT	Complete Product Information
SOURCE	3BSE062937_E; 3BSE000506-600

SYSTEM FLOW



SELECTED RELATED PRODUCTS

01	ABB DAI05	OPEN	02	ABB DAI04	OPEN
03	ABB DAI01	OPEN	04	ABB DO910S-3KDE175321L9100	OPEN
05	ABB CI522-3BSE012790R1	OPEN	06	ABB AI625-3BHT300036R1	OPEN

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CI810B 3BSE020520R1

Complete Product Information

Exact-model identity and parameters

Complete model	CI810B 3BSE020520R1	Included connector	One power supply connector
Manufacturer	ABB	Terminal blocks	Two terminal blocks
Product family	S800 I/O and Advant Fieldbus 100	AF100 connector	3BSC840105R1
Product ID	3BSE020520R1	Loaded system software	Version 1.5
ABB designation	CI810B	Media capability	Full redundant-media support
Interface role	S800 I/O field communication interface	Network capability	Long-distance AF100 support
Fieldbus media	Two AF100 twisted-pair connections	Environmental class	ISA-S71.04 G3 for FCI modules
Included terminator	One TB807 Modulebus Terminator	Exchange identity	EXC3BSE020520R1

EVIDENCE BOUNDARY

Retain the complete CI810B 3BSE020520R1 identity, loaded software level, AF100 media arrangement and S800 I/O station record before replacement.

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System role and engineering applications

ROLE 1

Links S800 I/O to Advant Fieldbus 100

ROLE 2

Provides two twisted-pair AF100 connections

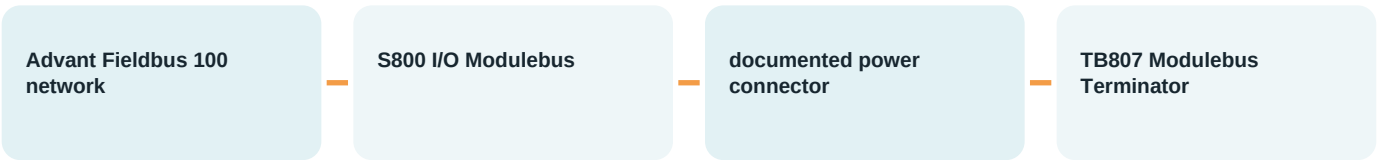
ROLE 3

Includes the TB807 Modulebus terminator

ROLE 4

Ships with system software version 1.5 loaded

SIGNAL / SERVICE PATH



S800 I/O field interface

Connects the documented S800 I/O station to an AF100 control network.

Redundant fieldbus media

Supports an engineered redundant AF100 media arrangement where the installed design requires it.

Long-distance network segment

Provides the CI810B capability described for extended AF100 communication distances.

Controlled module renewal

Retains the exact product ID, connector set, software level and Modulebus termination during replacement.

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Complete Product Information

Field-work sequence and acceptance controls

01 Verify CI810B 3BSE020520R1 and the S800 I/O station position before work Verify CI810B 3BSE020520R1 and the S800 I/O station position before work.	02 Place the connected AF100 segment and process in the approved maintenance state Place the connected AF100 segment and process in the approved maintenance state.
03 Isolate the documented supply before removing the power connector Isolate the documented supply before removing the power connector.	04 Record both AF100 twisted-pair connections and their redundancy assignment Record both AF100 twisted-pair connections and their redundancy assignment.
05 Protect the terminal blocks, AF100 connector and keyed Modulebus interfaces Protect the terminal blocks, AF100 connector and keyed Modulebus interfaces.	06 Confirm the TB807 terminator remains at the documented end position Confirm the TB807 terminator remains at the documented end position.
07 Restore power only after checking polarity, shielding and Modulebus seating Restore power only after checking polarity, shielding and Modulebus seating.	08 Verify communication, I/O quality and redundancy status before acceptance Verify communication, I/O quality and redundancy status before acceptance.

RELATED SERVICE REFERENCES

01 ABB A8PU05ABFW02 OPEN	02 ABB 424K1105 OPEN
03 ABB 3HNP04014-1 OPEN	

ACCEPTANCE RECORD

Retain the final CI810B 3BSE020520R1 identity, connection, configuration, diagnostic and controlled-response result.

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Complete Product Information

Model-specific questions and decisions

1 What network role does ABB CI810B 3BSE020520R1 perform?

It is the S800 I/O field communication interface for an Advant Fieldbus 100 station.

2 How many AF100 media connections are provided by ABB CI810B 3BSE020520R1?

Two twisted-pair AF100 connections are provided, allowing the documented media arrangement to be retained.

3 Which Modulebus item is included with ABB CI810B 3BSE020520R1?

The package includes one TB807 Modulebus Terminator for the station boundary.

4 What software level is loaded in ABB CI810B 3BSE020520R1?

The product record lists system software version 1.5 as loaded.

5 Which AF100 connector is associated with ABB CI810B 3BSE020520R1?

The listed AF100 connector is 3BSC840105R1; preserve its keyed interface during service.

6 Can ABB CI810B 3BSE020520R1 support redundant fieldbus media?

Yes. CI810B supports full redundant media, subject to the installed AF100 engineering design.

7 What should be recorded before replacing ABB CI810B 3BSE020520R1?

Capture both AF100 paths, terminal assignments, software level, Modulebus position and terminator location.

8 What acceptance checks suit ABB CI810B 3BSE020520R1?

Confirm station communication, I/O quality, both configured media paths and a clean diagnostic state.

RELATED MODEL REFERENCES

01	ABB 3HNM09846-1	OPEN	02	ABB 3HAC17484-8	OPEN
03	ABB 3HAC14551-2	OPEN			

SOURCE IDENTIFIER

ABB System 800xA Product Catalog and Advant Fieldbus 100 User Manual | 3BSE062937_E; 3BSE000506-600

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Complete Product Information

Related products and document navigation

These links are navigation aids to other Apter Power product pages. They are not technical evidence for this product.

01	ABB 3BSE003879R1-BB174	OPEN	02	ABB 35AE92A-ER0002081060005	OPEN
03	ABB 07ZE61R302-GJV3074321R302	OPEN	04	ABB 07SK90R1-GJR5250200R0001	OPEN
05	ABB 07PS62R2-GJV3074332R2	OPEN	06	ABB 07NG61R1-GJV3074311R1	OPEN
07	ABB 07KT97-WT97	OPEN	08	ABB 07KT92-JR5250500R0902	OPEN
09	ABB 07KR91-GJR5250000R0101	OPEN	10	ABB 07KP90-GJR5251000R0202-125097	OPEN
11	ABB 07KP60R101-GJV3074360R101	OPEN	12	ABB 07EB62R1-GJV3074342R1	OPEN

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