

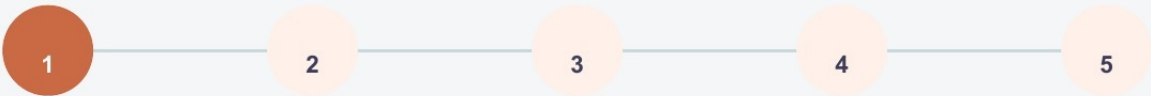
X20BC0087

Modbus TCP/UDP Bus Controller

CONTROLLED ENGINEERING COPY

B&R X20BC0087 is a modbus tcp/udp bus controller for the documented X20 System installation.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	X20BC0087
Manufacturer	B&R
System family	X20 System
HS code	8537101190
Shipping origin	Xiamen,Fujian,China



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01 PRE-INSTALLATION PLAN

1

Confirm the complete B&R X20BC0087 marking and installed X20 System position before work.

2

Place the machine or process in the approved maintenance state and isolate every applicable energy source.

3

Record two shielded RJ45 switch ports and X2X Link, terminal assignments, shielding and protective-ground connections before removal.

4

Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.

5

Verify module type (Bus controller) against the installed project and connected hardware.

MATCHED HARDWARE

- X20BC0087 with complete identity
- X20 I/O station and Modbus Ethernet network
- two shielded RJ45 switch ports and X2X Link
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	X20BC0087 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module type	Bus controller
Fieldbus	Modbus TCP/UDP slave
Ethernet ports	2 shielded RJ45 switch ports
Transfer rate	10/100 Mbit/s
Maximum segment	100 m
Minimum fieldbus cycle	1 ms
X2X Link cycle	500 us
Bus power	2 W
Protection	IP20

FIELD NOTE

Confirm B&R X20BC0087, X20 I/O station and Modbus Ethernet network, two shielded RJ45 switch ports and X2X Link, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

RELATED APTER POWER PAGES

330980-70-05	330930-060-03-05	330180-X1-00-MOD-145004-09	330330-080-01-00
330330-070-00-00	330854-080-05	330851-02-000-080-10-00-00	330851-01-000-020-10-00-00

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	X20BC0087
Physical interface	two shielded RJ45 switch ports and X2X Link matched
Configuration	Exact installed configuration and assignments restored
Functional proof	Controlled Modbus TCP/UDP slave bus control response recorded

04 RETURN-TO-SERVICE RECORD

- ☐
- Verify module type (Bus controller) against the installed project and connected hardware.

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VERIFICATION RECORD

PRODUCT IDENTITY	X20BC0087
INSTALLED POSITION	Documented X20 I/O station and Modbus Ethernet network position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐
- Confirm the exact model remains assigned to the documented host position.

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SOURCE IDENTIFIERS

B&R X20BC0087 product data | Data sheet X20(c)BC0087