

INDUSTRIAL AUTOMATION PRODUCT

X20BB22

Compact CPU Bus Base

B&R X20BB22 is a compact cpu bus base for the documented X20 System installation.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	X20 System
Part number	X20BB22
Origin / HS	Austria / 8537101190
Shipping origin	Xiamen,Fujian,China

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Confirm B&R X20BB22, X20 Compact CPU station, Compact CPU backplane, power-supply module and RS232, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

System Role and Architecture

B&R X20BB22 is a compact cpu bus base for the documented X20 System installation.

FUNCTION 1
Provides Compact CPU backplane and RS232 connection

FUNCTION 2
Uses exact B&R article identity X20BB22

FUNCTION 3
Matches component: Compact CPU bus base

FUNCTION 4
Matches compatible cpus: All X20 Compact CPUs

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	X20 System
02	X20 Compact CPU station
03	Compact CPU backplane, power-supply module and RS232
04	Approved wiring, shielding and grounding arrangement

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	X20 System
Interface role	Compact CPU backplane and RS232 connection
Field / power context	X20 Compact CPU station
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete B&R X20BB22 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 Compact CPU backplane, power-supply module and RS232, terminal assignments, shielding and protective-ground connections before removal.
- 4

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

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE
Component	Compact CPU bus base
Compatible CPUs	All X20 Compact CPUs
Interface	1 RS232 connection
I/O supply	24 VDC
Permissible contact load	10 A

PARAMETER	VALUE
Bus power	0.32 W
Isolation	Bus not isolated from RS232
Protection	IP20
Pitch	37.5 mm

ENGINEERING BOUNDARY

Confirm B&R X20BB22, X20 Compact CPU station, Compact CPU backplane, power-supply module and RS232, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete B&R X20BB22 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 Compact CPU backplane, power-supply module and RS232, terminal assignments, shielding and protective-ground connections
- 4

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

Applications and Engineering Context

X20 System system maintenance

Restores Compact CPU backplane and RS232 connection in the documented installation.

Controlled hardware replacement

Preserves the exact X20BB22 identity and approved configuration.

Interface verification

Confirms Compact CPU backplane, power-supply module and RS232 before energization.

Functional recommissioning

Reviews diagnostics and records the controlled system response.

TECHNICAL NOTE

Confirm B&R X20BB22, X20 Compact CPU station, Compact CPU backplane, power-supply module and RS232, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	X20BB22 recorded
Host / carrier	X20 System
Physical interface	Compact CPU backplane, power-supply module and RS232 matched
Configuration	Exact installed configuration and assignments restored
Functional proof	Controlled Compact CPU backplane and RS232 connection response recorded

IMPORTANT NOTICE

Confirm B&R X20BB22, X20 Compact CPU station, Compact CPU backplane, power-supply module and RS232, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER	
01	Bently Nevada 330101-00-24-10-12-05
02	Bently Nevada 330710-000-050-50-02-00
03	Bently Nevada 330880-28-00-085-03-02
04	Bently Nevada 330130-070-11-05
05	Bently Nevada 330130-075-11-05
06	Bently Nevada 330130-080-11-05
07	Bently Nevada 330101-00-10-15-02-05
08	Bently Nevada 330101-00-44-15-02-05

Navigation links only - not manufacturer evidence for technical parameters.

MANUFACTURER SOURCE RECORD

B&R X20BB22 product data | Data sheet X20BB22

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