

INDUSTRIAL AUTOMATION PRODUCT

X20DC2395

Encoder and Counter Module

B&R X20DC2395 is a encoder and counter module for the documented X20 System installation.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	X20 System
Part number	X20DC2395
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 X20DC2395, X20 I/O station, SSI, ABR/AB encoder inputs and event-counter channels, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

System Role and Architecture

B&R X20DC2395 is a encoder and counter module for the documented X20 System installation.

FUNCTION 1
Provides encoder, counter and timing acquisition

FUNCTION 2
Uses exact B&R article identity X20DC2395

FUNCTION 3
Matches ssi encoders: 1 at 24 V

FUNCTION 4
Matches abr encoders: 1 at 24 V

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	X20 System
02	X20 I/O station
03	SSI, ABR/AB encoder inputs and event-counter channels
04	Approved wiring, shielding and grounding arrangement

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	X20 System
Interface role	encoder, counter and timing acquisition
Field / power context	X20 I/O station
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete B&R X20DC2395 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 SSI, ABR/AB encoder inputs and event-counter channels, 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
SSI encoders	1 at 24 V
ABR encoders	1 at 24 V
AB encoders	2 at 24 V
Event counters	4, or 2 PWM channels
Incremental input frequency	Maximum 100 kHz

PARAMETER	VALUE
Counter size	16/32 bit
Input voltage	24 VDC -15%/+20%
Signal cabling	Shielded lines required
Protection	IP20

ENGINEERING BOUNDARY

Confirm B&R X20DC2395, X20 I/O station, SSI, ABR/AB encoder inputs and event-counter channels, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete B&R X20DC2395 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 SSI, ABR/AB encoder inputs and event-counter channels, 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 encoder, counter and timing acquisition in the documented installation.

Controlled hardware replacement

Preserves the exact X20DC2395 identity and approved configuration.

Interface verification

Confirms SSI, ABR/AB encoder inputs and event-counter channels before energization.

Functional recommissioning

Reviews diagnostics and records the controlled system response.

TECHNICAL NOTE

Confirm B&R X20DC2395, X20 I/O station, SSI, ABR/AB encoder inputs and event-counter channels, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	X20DC2395 recorded
Host / carrier	X20 System
Physical interface	SSI, ABR/AB encoder inputs and event-counter channels matched
Configuration	Exact installed configuration and assignments restored
Functional proof	Controlled encoder, counter and timing acquisition response recorded

IMPORTANT NOTICE

Confirm B&R X20DC2395, X20 I/O station, SSI, ABR/AB encoder inputs and event-counter channels, 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 330101-04-30-05-01-05
02	Bently Nevada 330101-00-16-05-02-00
03	Bently Nevada 330101-00-16-10-11-05
04	Bently Nevada 330103-00-22-50-12-05
05	Bently Nevada 330103-00-25-05-02-BR
06	Bently Nevada 330103-00-16-50-12-05
07	Bently Nevada 330103-00-13-50-12-05
08	Bently Nevada 330180-12-05

Navigation links only - not manufacturer evidence for technical parameters.

MANUFACTURER SOURCE RECORD

B&R X20DC2395 product data | Data sheet X20(c)DC2395

APTER POWER SALES TEAM

- WHATSAPP / PHONE

+86 180 3023 5313
- EMAIL

sales13@apterpower.com
- WEBSITE

www.apterpower.com

