

APTER POWER

COMPLETE PRODUCT INFORMATION

X20DC2395

Encoder and Counter Module

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

PRODUCT SNAPSHOT

BRAND
B&R

FAMILY
X20 System

PART
X20DC2395

ORIGIN / HS
Austria / 8537101190

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

SHIP FROM

Xiamen, Fujian, China



PRODUCT OVERVIEW

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



Provides encoder, counter and timing acquisition



Uses exact B&R article identity X20DC2395



Matches ssi encoders: 1 at 24 V



Matches abr encoders: 1 at 24 V

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitior Sensor	AISI 4140 target

ENGINEERING CONTEXT

The product performs encoder, counter and timing acquisition in the documented X20 I/O station. Installation and commissioning must preserve the exact identity, interfaces and approved configuration.

TECHNICAL DATA

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

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

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

3

Record SSI, ABR/AB encoder inputs and event-counter channels, terminal assignments, shielding and

4

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

5

Verify ssi encoders (1 at 24 V) against the installed project and connected hardware.

6

Verify abr encoders (1 at 24 V) and restore only the approved configuration.

7

Energize in the prescribed sequence and review module, host and network diagnostics.

8

Complete a controlled encoder, counter and timing acquisition test and retain the acceptance result before

ENGINEER FAQ

Q1 How is the exact X20DC2395 execution identified?

Match the complete B&R X20DC2395 marking and the controlled installed-position record.

Q2 What documented role does X20DC2395 perform?

It performs encoder, counter and timing acquisition in the documented X20 I/O station.

Q3 Which host must be matched before fitting X20DC2395?

Match the exact X20 I/O station and approved system position.

Q4 Which interfaces must be recorded for X20DC2395?

Record SSI, ABR/AB encoder inputs and event-counter channels, mounting, shielding, grounding and cable routing.

Q5 What isolation controls apply to X20DC2395?

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

Q6 What must be restored after installing X20DC2395?

Verify abr encoders (1 at 24 V) and restore only the approved configuration.

Q7 What proves X20DC2395 is ready for service?

Retain diagnostics and a controlled encoder, counter and timing acquisition response test.

Q8 Which manufacturer record supports the X20DC2395 page?

Data sheet X20(c)DC2395 and the official B&R product record for X20DC2395.

RELATED APTER POWER PAGES

330103-00-13-50-12-00	330101-00-16-10-11-00	330104-04-09-10-01-05	330104-00-09-10-01-00
330180-X1-05-MOD-145004-15	330180-X1-05-MOD-145004-94	330180-X2-05-MOD-163358-02	330902-00-90-10-01-05

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

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com