

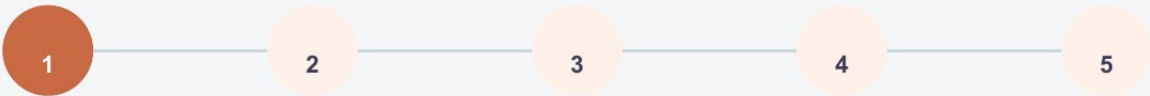
X20DC2395

Encoder and Counter Module

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	X20DC2395
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 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.

5

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

MATCHED HARDWARE

- X20DC2395 with complete identity
- X20 I/O station
- SSI, ABR/AB encoder inputs and event-counter channels
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	X20DC2395 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

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

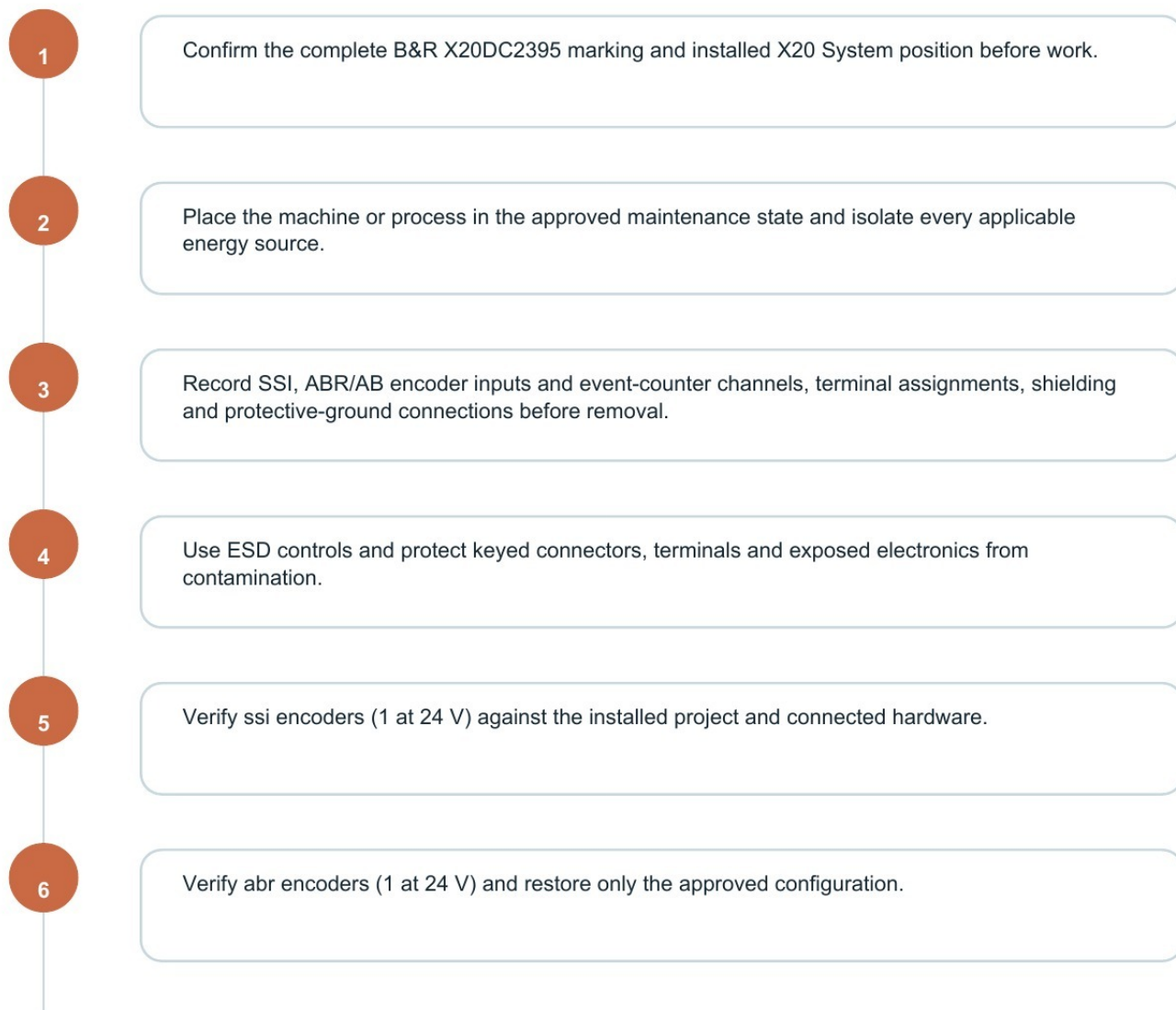
FIELD NOTE

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.

RELATED APTER POWER PAGES

[330180-X1-05-MOD-145004-17](#)
[330901-05-65-05-11-05](#)
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[330101-02-70-10-11-05](#)
[330101-00-40-10-01-00](#)
[330105-02-12-05-12-00](#)
[330103-00-22-50-12-00](#)
[330103-00-16-50-12-00](#)

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	X20DC2395
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

04 RETURN-TO-SERVICE RECORD

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

☐☐☐

VERIFICATION RECORD

PRODUCT IDENTITY	X20DC2395
INSTALLED POSITION	Documented X20 I/O station 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.

☐☐☐

SOURCE IDENTIFIERS

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