APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

X20CP3585

Redundancy-capable X20 controller

CONTROLLED ENGINEERING COPY

Confirm active/standby roles, synchronization state, interface modules, CompactFlash image and project revision before controlled switchover testing.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	X20CP3585
Manufacturer part	X20CP3585
Hardware type	Intel Atom; 1 GHz
System family	B&R X20 PLC

1 PLAN — 2 ISOLATE — 3 CONNECT — 4 CONFIGURE — 5 TEST

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01 PRE-INSTALLATION PLAN

1. Verify the full X20CP3585 marking and its assigned B&R X20 PLC position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and redundant plc logic, communication interfaces and powerlink data field energy before disconnecting conductors.
4. Record connector, conductor, address and software identities before removal.
5. Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- X20 bus base and I/O
- three approved interface modules
- redundancy partner controller
- Automation Studio project and CompactFlash

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	X20CP3585 / X20CP3585 recorded
Physical interface	X20 bus base and I/O
Companion check	three approved interface modules
Functional proof	Uses a 1 GHz Intel Atom processor
Application test	Redundant process controller

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Processor	Intel Atom; 1 GHz
Main memory	256 MB DDR2 SDRAM
Modular interface slots	3
Interfaces	Ethernet; POWERLINK; USB
Application storage	CompactFlash
Redundancy	Supported
Cooling	Fanless

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	X20 bus base and I/O
Companion hardware	three approved interface modules
Field connection	redundancy partner controller
Primary system function	Uses a 1 GHz Intel Atom processor
Controlled acceptance duty	Redundant process controller

FIELD NOTE

Confirm active/standby roles, synchronization state, interface modules, CompactFlash image and project revision before controlled switchover testing.

03 COMMISSIONING WORKFLOW

1. Confirm X20CP3585 and part number X20CP3585 against the installed record.
2. Verify the physical connection to X20 bus base and I/O.
3. Apply the documented technical values for processor.
4. Exercise the function: uses a 1 ghz intel atom processor.
5. Run a controlled test for redundant process controller.
6. Record the final state, diagnostics and operator acceptance before release.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	X20CP3585 / X20CP3585 recorded
Physical interface	X20 bus base and I/O
Companion check	three approved interface modules
Functional proof	Uses a 1 GHz Intel Atom processor
Application test	Redundant process controller

04 RETURN-TO-SERVICE RECORD

- [ ] Confirm the installed X20 bus base and I/O and three approved interface modules against the approved project.
- [ ] Restore power in a controlled sequence and review device, network and host diagnostics.
- [ ] Prove the intended redundant process controller function and retain the final test result.
- [ ] Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	X20CP3585
INSTALLED POSITION	Documented B&R X20 PLC position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330854-080-25-00	Related industrial automation product	**View 330854-080-25-00 page**
330105-02-12-15-12-CN	Related industrial automation product	**View 330105-02-12-15-12-CN page**
KJ3003X1-EA1	Related industrial automation product	**View KJ3003X1-EA1 page**
330101-00-19-10-02-00	Related industrial automation product	**View 330101-00-19-10-02-00 page**
330104-10-20-05-02-00	Related industrial automation product	**View 330104-10-20-05-02-00 page**
WSNF8327B002	Related industrial automation product	**View WSNF8327B002 page**
WSNF8327A321MO	Related industrial automation product	**View WSNF8327A321MO page**
WSNF8551A409MO	Related industrial automation product	**View WSNF8551A409MO page**

SOURCE IDENTIFIERS

B&R official product data sheet

B&R product data

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