

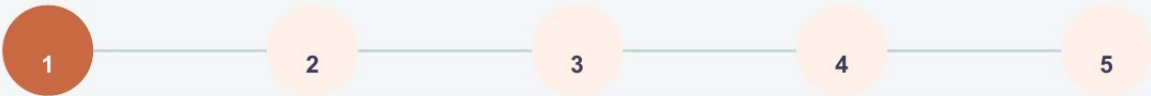
X20SL8010

SafeLOGIC Controller

CONTROLLED ENGINEERING COPY

B&R X20SL8010 is a safelogic controller for the documented X20 System installation.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	X20SL8010
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 X20SL8010 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 POWERLINK, SafeKEY and safety application, 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 system module (SafeLOGIC CPU) against the installed project and connected hardware.

MATCHED HARDWARE

- X20SL8010 with complete identity
- X20 openSAFETY system
- POWERLINK, SafeKEY and safety application
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	X20SL8010 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
System module	SafeLOGIC CPU
Safety level	SIL 3 / Cat. 4 / PL e
Supported safety nodes	Maximum 20
POWERLINK ports	2 shielded RJ45
Transfer rate	100 Mbit/s
Shortest task cycle	1 ms
Power supply	24 VDC -15%/+20%
Power consumption	5.1 W
SafeKEY	Ordered separately

FIELD NOTE

Confirm B&R X20SL8010, X20 openSAFETY system, POWERLINK, SafeKEY and safety application, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

RELATED APTER POWER PAGES

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03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	X20SL8010
Physical interface	POWERLINK, SafeKEY and safety application matched
Configuration	Exact installed configuration and assignments restored
Functional proof	Controlled central safety application execution response recorded

04 RETURN-TO-SERVICE RECORD

- ☐ Verify system module (SafeLOGIC CPU) against the installed project and connected hardware.
- ☐ Verify safety level (SIL 3 / Cat. 4 / PL e) and restore only the approved configuration.
- ☐ Energize in the prescribed sequence and review module, host and network diagnostics.
- ☐ Complete a controlled central safety application execution test and retain the acceptance result before production release.

VERIFICATION RECORD

PRODUCT IDENTITY	X20SL8010
INSTALLED POSITION	Documented X20 openSAFETY system 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.
- ☐ Verify every mating interface and field connection against the as-found record.
- ☐ Exercise the intended product function under controlled conditions.
- ☐ Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

B&R X20SL8010 product data | Data sheet X20SL8010