

APTER POWER

COMPLETE PRODUCT INFORMATION

X20SL8010

SafeLOGIC Controller

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

PRODUCT SNAPSHOT

BRAND
B&R

FAMILY
X20 System

PART
X20SL8010

ORIGIN / HS
Austria / 8537101190

APTER POWER

WHATSAPP / PHONE

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SHIP FROM

Xiamen, Fujian, China



PRODUCT OVERVIEW

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



Provides central safety application execution



Uses exact B&R article identity X20SL8010



Matches system module: SafeLOGIC CPU



Matches safety level: SIL 3 / Cat. 4 / PL e

SYSTEM COMPONENTS

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

ENGINEERING CONTEXT

The product performs central safety application execution in the documented X20 openSAFETY system. Installation and commissioning must preserve the exact identity, interfaces and approved configuration.

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
Shortest task cycle	1 ms
Power supply	24 VDC -15%/+20%
Power consumption	5.1 W
SafeKEY	Ordered separately

TECHNICAL 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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

X20 System system maintenance

Restores central safety application execution in the documented installation.

Controlled hardware replacement

Preserves the exact X20SL8010 identity and approved configuration.

Interface verification

Confirms POWERLINK, SafeKEY and safety application before energization.

Functional recommissioning

Reviews diagnostics and records the controlled system response.

PRODUCT PRECAUTIONS

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

3

Record POWERLINK, SafeKEY and safety application, terminal assignments, shielding and protective-ground

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.

6

Verify safety level (SIL 3 / Cat. 4 / PL e) and restore only the approved configuration.

7

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

8

Complete a controlled central safety application execution test and retain the acceptance result before

ENGINEER FAQ

Q1 How is the exact X20SL8010 execution identified?

Match the complete B&R X20SL8010 marking and the controlled installed-position record.

Q2 What documented role does X20SL8010 perform?

It performs central safety application execution in the documented X20 openSAFETY system.

Q3 Which host must be matched before fitting X20SL8010?

Match the exact X20 openSAFETY system and approved system position.

Q4 Which interfaces must be recorded for X20SL8010?

Record POWERLINK, SafeKEY and safety application, mounting, shielding, grounding and cable routing.

Q5 What isolation controls apply to X20SL8010?

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

Q6 What must be restored after installing X20SL8010?

Verify safety level (SIL 3 / Cat. 4 / PL e) and restore only the approved configuration.

Q7 What proves X20SL8010 is ready for service?

Retain diagnostics and a controlled central safety application execution response test.

Q8 Which manufacturer record supports the X20SL8010 page?

Data sheet X20SL8010 and the official B&R product record for X20SL8010.

RELATED APTER POWER PAGES

330101-00-08-10-01-00	330101-00-13-30-02-05	330104-04-10-50-02-05	330101-51-82-10-01-05
330101-35-62-10-01-05	330102-00-83-50-02-05	330104-00-09-50-02-00	330104-00-09-90-02-00

SOURCE B&R X20SL8010 product data | Data sheet X20SL8010

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