

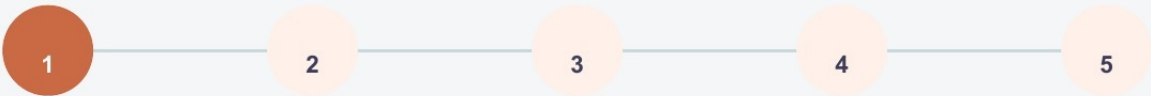
X20IF1086-2

POWERLINK Fiber-Optic Interface Module

CONTROLLED ENGINEERING COPY

B&R X20IF1086-2 is a powerlink fiber-optic interface module for the documented X20 System installation.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	X20IF1086-2
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 X20IF1086-2 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 100BASE-FX duplex LC multimode fiber port, 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 interface (POWERLINK V1/V2) against the installed project and connected hardware.

MATCHED HARDWARE

- X20IF1086-2 with complete identity
- X20 controller or bus controller interface slot
- 100BASE-FX duplex LC multimode fiber port
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	X20IF1086-2 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Interface	POWERLINK V1/V2
Physical layer	100BASE-FX
Connector	Duplex LC
Transfer rate	100 Mbit/s
Fiber	Multimode 62.5/125 or 50/125 um
Ethernet segment	Maximum 400 m
POWERLINK segment	Maximum 2 km
Power consumption	1.8 W
Protection	IP20

FIELD NOTE

Confirm B&R X20IF1086-2, X20 controller or bus controller interface slot, 100BASE-FX duplex LC multimode fiber port, 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	X20IF1086-2
Physical interface	100BASE-FX duplex LC multimode fiber port matched
Configuration	Exact installed configuration and assignments restored
Functional proof	Controlled POWERLINK fiber-optic communication response recorded

04 RETURN-TO-SERVICE RECORD

- ☐ Verify interface (POWERLINK V1/V2) against the installed project and connected hardware.
- ☐ Verify physical layer (100BASE-FX) and restore only the approved configuration.
- ☐ Energize in the prescribed sequence and review module, host and network diagnostics.
- ☐ Complete a controlled POWERLINK fiber-optic communication test and retain the acceptance result before production release.

VERIFICATION RECORD

PRODUCT IDENTITY	X20IF1086-2
INSTALLED POSITION	Documented X20 controller or bus controller interface slot 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 X20IF1086-2 product data | Data sheet X20IF1086-2