

INDUSTRIAL AUTOMATION PRODUCT

3IF771.9

CAN Bus aPCI Interface Module

B&R 3IF771.9 is a can bus apci interface module for the documented System 2005 installation.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	System 2005
Part number	3IF771.9
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Confirm B&R 3IF771.9, System 2005 CPU with aPCI slot, electrically isolated CAN bus and TB704 terminal, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

System Role and Architecture

B&R 3IF771.9 is a can bus apci interface module for the documented System 2005 installation.

FUNCTION 1
Provides CAN bus communication

FUNCTION 2
Uses exact B&R article identity 3IF771.9

FUNCTION 3
Matches interface: CAN bus

FUNCTION 4
Matches transfer rate: Maximum 500 kbit/s

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	System 2005
02	System 2005 CPU with aPCI slot
03	electrically isolated CAN bus and TB704 terminal
04	Approved wiring, shielding and grounding arrangement

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	System 2005
Interface role	CAN bus communication
Field / power context	System 2005 CPU with aPCI slot
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete B&R 3IF771.9 marking and installed System 2005 position before work.
- 2

Place the machine or process in the approved maintenance state and isolate every applicable energy source.
- 3

Record electrically isolated CAN bus and TB704 terminal, terminal assignments, shielding and protective-ground connections before removal.
- 4

Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE
Interface	CAN bus
Transfer rate	Maximum 500 kbit/s
Maximum distance	1000 m
Connector	4-pin male multipoint
Electrical isolation	PLC to interface

PARAMETER	VALUE
Power consumption	1.3 W total
Terminal block	TB704 ordered separately
Protection	IP20
Operating temperature	0 to 60 degC

ENGINEERING BOUNDARY

Confirm B&R 3IF771.9, System 2005 CPU with aPCI slot, electrically isolated CAN bus and TB704 terminal, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete B&R 3IF771.9 marking and installed System 2005 position before work.
- 2

Place the machine or process in the approved maintenance state and isolate every applicable energy source.
- 3

Record electrically isolated CAN bus and TB704 terminal, terminal assignments, shielding and protective-ground connections before
- 4

Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.

Applications and Engineering Context

System 2005 system maintenance

Restores CAN bus communication in the documented installation.

Controlled hardware replacement

Preserves the exact 3IF771.9 identity and approved configuration.

Interface verification

Confirms electrically isolated CAN bus and TB704 terminal before energization.

Functional recommissioning

Reviews diagnostics and records the controlled system response.

TECHNICAL NOTE

Confirm B&R 3IF771.9, System 2005 CPU with aPCI slot, electrically isolated CAN bus and TB704 terminal, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3IF771.9 recorded
Host / carrier	System 2005
Physical interface	electrically isolated CAN bus and TB704 terminal matched
Configuration	Exact installed configuration and assignments restored
Functional proof	Controlled CAN bus communication response recorded

IMPORTANT NOTICE

Confirm B&R 3IF771.9, System 2005 CPU with aPCI slot, electrically isolated CAN bus and TB704 terminal, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER	
01	Bently Nevada 330101-48-71-20-02-CN
02	Bently Nevada 330101-00-96-20-02-CN
03	Bently Nevada 330101-00-77-20-02-CN
04	Bently Nevada 330102-60-90-10-02-CN
05	Bently Nevada 330190-040-01-05
06	Bently Nevada 330703-000-060-050-12-00
07	Bently Nevada 31000-27-05-15-040-03-02
08	Bently Nevada 330908-00-20-70-02-05

Navigation links only - not manufacturer evidence for technical parameters.

MANUFACTURER SOURCE RECORD

B&R 3IF771.9 product data | Datasheet 3IF771.9

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