7CP474.60-1

System 2003 compact CPU

PLC execution plus mixed System 2003 I/O and CAN data

PRODUCT SNAPSHOT

BRAND
B&R

FAMILY
B&R System 2003 PLC

PART
7CP474.60-1

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PRODUCT OVERVIEW

PLC execution plus mixed System 2003 I/O and CAN data

1. Provides 100 kB SRAM and 512 kB FlashPROM
2. Coordinates up to 208 digital I/O points
3. Coordinates up to 80 analog I/O points
4. Integrates isolated network-capable CAN

SYSTEM COMPONENTS

- System 2003 rack and I/O
- 24 V DC supply
- approved screw-in modules
- Automation Studio application backup

TECHNICAL NOTE

Back up program and retained data, record screw-in modules and I/O allocation, then verify every configured channel after controlled startup.

TECHNICAL DATA

PARAMETER	VALUE
SRAM	100 kB
FlashPROM	512 kB
Supply	24 V DC
Power consumption	12.6 W

PARAMETER	VALUE
Interfaces	RS232; CAN
CAN	Electrically isolated; network-capable
Expansion	4 screw-in module slots
Maximum I/O	208 digital; 80 analog

ENGINEERING NOTE

Back up program and retained data, record screw-in modules and I/O allocation, then verify every configured channel after controlled startup.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
200155-00-CN	Related industrial automation product	**View 200155-00-CN page**
330101-00-44-15-02-CN	Related industrial automation product	**View 330101-00-44-15-02-CN page**
144181-51-05	Related industrial automation product	**View 144181-51-05 page**
330881-16-10-100-03-02	Related industrial automation product	**View 330881-16-10-100-03-02 page**
330171-00-08-10-01-05	Related industrial automation product	**View 330171-00-08-10-01-05 page**
330172-00-08-10-01-05	Related industrial automation product	**View 330172-00-08-10-01-05 page**
330780-90-05	Related industrial automation product	**View 330780-90-05 page**
330130-085-10-00	Related industrial automation product	**View 330130-085-10-00 page**

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Compact System 2003 controller

Provides 100 kB SRAM and 512 kB FlashPROM

Mixed digital/analog machine I/O

Coordinates up to 208 digital I/O points

CAN equipment integration

Coordinates up to 80 analog I/O points

CPU service replacement

Integrates isolated network-capable CAN

PRODUCT PRECAUTIONS

1. Verify the full 7CP474.60-1 marking and its assigned B&R System 2003 PLC position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and plc execution plus mixed system 2003 i/o and can 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.
6. Confirm the installed System 2003 rack and I/O and 24 V DC supply against the approved project.
7. Restore power in a controlled sequence and review device, network and host diagnostics.
8. Prove the intended compact system 2003 controller function and retain the final test result.

ENGINEER FAQ

Q1 Does 7CP474.60-1 match System 2003 rack and I/O in a Compact System 2003 controller installation?

Verify the complete 7CP474.60-1 marking, the documented B&R System 2003 PLC position and the installed System 2003 rack and I/O before fitting the assembly.

Q2 How should 7CP474.60-1 be wired when it must provides 100 kb sram and 512 kb flashprom?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 7CP474.60-1; then continuity-test the affected path.

Q3 Which B&R System 2003 PLC records should be captured before removing 7CP474.60-1?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 7CP474.60-1 before disconnection.

Q4 What controlled test confirms that 7CP474.60-1 can coordinates up to 208 digital i/o points?

Apply the approved field or simulated stimulus, observe the B&R System 2003 PLC indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which 24 V DC supply condition should be checked when 7CP474.60-1 reports an abnormal state?

Check the 24 V DC supply supply, seating and connection first, then compare channel diagnostics with the recorded 7CP474.60-1 baseline.

Q6 Can 7CP474.60-1 be moved directly into Mixed digital/analog machine I/O without validating Automation Studio application backup?

No. Confirm the Automation Studio application backup, revision, connection scheme and B&R System 2003 PLC configuration before transferring 7CP474.60-1 to that duty.

Q7 What maintenance evidence is required after 7CP474.60-1 is used for CAN equipment integration?

Retain the nameplate record, corrective action, final diagnostics and a controlled can equipment integration functional-test result for 7CP474.60-1.

Q8 How should 7CP474.60-1 be returned to service in CPU service replacement?

Restore power under control, verify coordinates up to 80 analog i/o points, exercise the intended signal path and release 7CP474.60-1 only after the B&R System 2003 PLC remains in its approved operating state.

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