8I0IF109.400-1

X2X Link interface for ACOPOSinverter P66

Isolated X2X Link communication with ACOPOSinverter P66

PRODUCT SNAPSHOT

BRAND	**FAMILY**
B&R	B&R ACOPOSinverter interface
PART	**ORIGIN / HS**
8I0IF109.400-1	Austria / 8537101190

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PRODUCT OVERVIEW

Isolated X2X Link communication with ACOPOSinverter P66

1. Provides two X2X Link ports
2. Matches the P66 drive platform
3. Isolates X2X communication from the inverter
4. Uses 500 mW external I/O power

SYSTEM COMPONENTS

- ACOPOSinverter P66
- X2X Link cable
- B&R controller
- Automation Studio drive configuration

TECHNICAL NOTE

Confirm the installed drive is P66, record X2X node and port order, isolate the DC link and verify drive communication before enabling motion.

TECHNICAL DATA

PARAMETER	VALUE
B&R ID	0xF259
Compatible drive	ACOPOSinverter P66
X2X Link ports	2
External I/O power	500 mW

PARAMETER	VALUE
Isolation	X2X Link isolated from inverter
Protection	IP20
Operating temperature	-10 to +60 degC

ENGINEERING NOTE

Confirm the installed drive is P66, record X2X node and port order, isolate the DC link and verify drive communication before enabling motion.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
DSDX180-3BSE003859R1-VERIFICAT	Related industrial automation product	View DSDX180-3BSE003859R1-VERIFICAT page
DSDO110-57160001-K	Related industrial automation product	View DSDO110-57160001-K page
DSDI131-57160001-GV-VERIFICATI	Related industrial automation product	View DSDI131-57160001-GV-VERIFICATI page
DSDI130-57160001-AA-VERIFICATI	Related industrial automation product	View DSDI130-57160001-AA-VERIFICATI page
DSDI110A-57160001-AAA	Related industrial automation product	View DSDI110A-57160001-AAA page
DSDC110B-57310001-FT-VERIFICAT	Related industrial automation product	View DSDC110B-57310001-FT-VERIFICAT page
DSCA160A-IDENTITY-VERIFICATION	Related industrial automation product	View DSCA160A-IDENTITY-VERIFICATION page
DSCA125A-57520001-CY-VERIFICAT	Related industrial automation product	View DSCA125A-57520001-CY-VERIFICAT page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

P66 drive networking

Provides two X2X Link ports

X2X line extension

Matches the P66 drive platform

Drive control integration

Isolates X2X communication from the inverter

Interface-board replacement

Uses 500 mW external I/O power

PRODUCT PRECAUTIONS

1. Verify the full 8I0IF109.400-1 marking and its assigned B&R ACOPOSinverter interface position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and isolated x2x link communication with acoposinverter p66 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 ACOPOSinverter P66 and X2X Link cable against the approved project.
7. Restore power in a controlled sequence and review device, network and host diagnostics.
8. Prove the intended p66 drive networking function and retain the final test result.

ENGINEER FAQ

Q1 Does 8I0IF109.400-1 match ACOPOSinverter P66 in a P66 drive networking installation?

Verify the complete 8I0IF109.400-1 marking, the documented B&R ACOPOSinverter interface position and the installed ACOPOSinverter P66 before fitting the assembly.

Q2 How should 8I0IF109.400-1 be wired when it must provides two x2x link ports?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 8I0IF109.400-1; then continuity-test the affected path.

Q3 Which B&R ACOPOSinverter interface records should be captured before removing 8I0IF109.400-1?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 8I0IF109.400-1 before disconnection.

Q4 What controlled test confirms that 8I0IF109.400-1 can matches the p66 drive platform?

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

Q5 Which X2X Link cable condition should be checked when 8I0IF109.400-1 reports an abnormal state?

Check the X2X Link cable supply, seating and connection first, then compare channel diagnostics with the recorded 8I0IF109.400-1 baseline.

Q6 Can 8I0IF109.400-1 be moved directly into X2X line extension without validating Automation Studio drive configuration?

No. Confirm the Automation Studio drive configuration, revision, connection scheme and B&R ACOPOSinverter interface configuration before transferring 8I0IF109.400-1 to that duty.

Q7 What maintenance evidence is required after 8I0IF109.400-1 is used for Drive control integration?

Retain the nameplate record, corrective action, final diagnostics and a controlled drive control integration functional-test result for 8I0IF109.400-1.

Q8 How should 8I0IF109.400-1 be returned to service in Interface-board replacement?

Restore power under control, verify isolates x2x communication from the inverter, exercise the intended signal path and release 8I0IF109.400-1 only after the B&R ACOPOSinverter interface remains in its approved operating state.

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