APTER POWER

COMPLETE PRODUCT INFORMATION

BWU3274

ASi-3 PROFINET gateway with integrated safety monitor

AS-i process/safety data mapped to PROFINET with safe release outputs

PRODUCT SNAPSHOT

BRAND	**FAMILY**
Bihl+Wiedemann	Bihl+Wiedemann AS-Interface safety
PART	**ORIGIN / HS**
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PRODUCT OVERVIEW

AS-i process/safety data mapped to PROFINET with safe release outputs

1. Controls two AS-i networks
2. Connects the installation to PROFINET
3. Provides three dual-channel safe inputs
4. Offers six configurable release circuits

SYSTEM COMPONENTS

- two AS-i networks
- PROFINET controller
- ASIMON360 safety configuration
- approved safe sensors and actuators

TECHNICAL NOTE

Export the ASIMON360 configuration, record AS-i addresses and PROFINET identity, then repeat all release-circuit safety tests.

TECHNICAL DATA

PARAMETER	VALUE
Fieldbus	PROFINET
AS-i masters	2
AS-i power supplies	1 for two AS-i networks
Safe local inputs	3 x 2

PARAMETER	VALUE
Release circuits	6
Safety networking	Safe Link
Protection	IP20

ENGINEERING NOTE

Export the ASIMON360 configuration, record AS-i addresses and PROFINET identity, then repeat all release-circuit safety tests.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330102-00-40-05-01-05	Related industrial automation product	**View 330102-00-40-05-01-05 page**
330500-00-02	Related industrial automation product	**View 330500-00-02 page**
16925-30	Related industrial automation product	**View 16925-30 page**
330850-50-00	Related industrial automation product	**View 330850-50-00 page**
3500-50-133388-02	Related industrial automation product	**View 3500-50-133388-02 page**
330130-080-02-05	Related industrial automation product	**View 330130-080-02-05 page**
330104-00-08-10-02-05	Related industrial automation product	**View 330104-00-08-10-02-05 page**
3500-72M-176449-08	Related industrial automation product	**View 3500-72M-176449-08 page**

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

AS-i safety gateway

Controls two AS-i networks

Dual-network machine safety

Connects the installation to PROFINET

PROFINET safety integration

Provides three dual-channel safe inputs

Gateway and monitor renewal

Offers six configurable release circuits

PRODUCT PRECAUTIONS

1. Verify the full BWU3274 marking and its assigned Bihl+Wiedemann AS-Interface safety position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and as-i process/safety data mapped to profinet with safe release outputs 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 two AS-i networks and PROFINET controller against the approved project.
7. Restore power in a controlled sequence and review device, network and host diagnostics.
8. Prove the intended as-i safety gateway function and retain the final test result.

ENGINEER FAQ

Q1 Does BWU3274 match two AS-i networks in a AS-i safety gateway installation?

Verify the complete BWU3274 marking, the documented Bihl+Wiedemann AS-Interface safety position and the installed two AS-i networks before fitting the assembly.

Q2 How should BWU3274 be wired when it must controls two as-i networks?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for BWU3274; then continuity-test the affected path.

Q3 Which Bihl+Wiedemann AS-Interface safety records should be captured before removing BWU3274?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with BWU3274 before disconnection.

Q4 What controlled test confirms that BWU3274 can connects the installation to profinet?

Apply the approved field or simulated stimulus, observe the Bihl+Wiedemann AS-Interface safety indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which PROFINET controller condition should be checked when BWU3274 reports an abnormal state?

Check the PROFINET controller supply, seating and connection first, then compare channel diagnostics with the recorded BWU3274 baseline.

Q6 Can BWU3274 be moved directly into Dual-network machine safety without validating approved safe sensors and actuators?

No. Confirm the approved safe sensors and actuators, revision, connection scheme and Bihl+Wiedemann AS-Interface safety configuration before transferring BWU3274 to that duty.

Q7 What maintenance evidence is required after BWU3274 is used for PROFINET safety integration?

Retain the nameplate record, corrective action, final diagnostics and a controlled profinet safety integration functional-test result for BWU3274.

Q8 How should BWU3274 be returned to service in Gateway and monitor renewal?

Restore power under control, verify provides three dual-channel safe inputs, exercise the intended signal path and release BWU3274 only after the Bihl+Wiedemann AS-Interface safety remains in its approved operating state.

SOURCE Bihl+Wiedemann official product page | BWU3274

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