B&R 8V1022.00-2

COMPLETE PRODUCT INFORMATION / EXACT-MODEL ENGINEERING FILE

B&R 8V1022.00-2 is identified as a acopos servo drive for the B&R ACOPOS motion-control platform. The complete marking and installed interface arrangement must be matched before replacement.

01 Product overview

Identity control	Installed boundary	Acceptance record
Match every token in the complete 8V1022.00-2 marking.	Preserve connector orientation, cable ownership and host position before removal.	Retain diagnostics and controlled functional-test evidence with the maintenance record.

The complete 8V1022.00-2 marking identifies the offered acopos servo drive. Record the removed item, host position and connected hardware so the comparison uses the actual installed boundary rather than a shortened family name.

Within the B&R ACOPOS motion-control platform, evaluate 8V1022.00-2 together with its carrier, terminals, cables and applicable project or hardware settings. Preserve the as-found interface map and revision evidence; a mechanically similar item is not automatically equivalent.

Technical data

Complete order code	8V1022.00-2
Product type	ACOPOS Servo Drive
System context	B&R ACOPOS motion-control platform
Rated supply	3 × 400-480 VAC; 3 × 230 VAC is also listed with configuration conditions
Supply frequency	50/60 Hz ±4%
Rated current	2.2 A
Rated motor power	1 kW
Installed load	3 kVA maximum
Inrush current	4 A at 400 VAC
Switch-on interval	Greater than 10 s
DC-bus capacitance	235 µF

Related product references

B&R 8V1022.001-2
Fanuc A20B-3300-0281/04B
General Electric IC695PNC001
General Electric DS200TBCAG1AAB
Hardy 1746-WS
HMS AB5030-B

02 Technical data and installed-system relationship

24 VDC input	24 VDC ±25%
24 VDC input capacitance	8200 µF
24 VDC current consumption	2.5 A maximum plus motor-holding-brake current
Motor outputs	1
Continuous motor current	2.2 A rms
Peak motor current	14 A rms
Switching frequencies	5, 10 or 20 kHz
Maximum output frequency	598 Hz
Maximum motor cable length	25 m
Braking resistor peak power	3.5 kW
Braking resistor continuous power	130 W

Engineering interpretation

Complete identity	Use 8V1022.00-2 as one complete reference in the quotation, service record and acceptance file.
Installed position	Record the exact host position and functional ownership within the B&R ACOPOS motion-control platform.
Physical execution	Compare artwork, connectors, keying, terminal hardware and orientation with the removed assembly.
Configuration boundary	Preserve the applicable project, address, firmware or hardware-setting record before removal.
Acceptance evidence	Retain initial and as-left diagnostics plus the controlled functional-test result.
Unstated values	Do not assign electrical or compatibility values that are not established by the exact-model evidence.

Controller platform reference

B&R ACOPOS motion-control platform. Confirm the exact installed execution and approved maintenance record.

Related product references

General Electric IC695PNC001
General Electric DS200TBCAG1AAB
Hardy 1746-WS
HMS AB5030-B
ABB DO801 3BSE020510R1

03 Applications / Compatibility

System position: 8V1022.00-2 is evaluated within the documented B&R ACOPOS motion-control platform architecture. Compatibility boundary: Match the complete marking, hardware execution and installed interfaces before replacement.

Installed-system replacement
Compare the exact code, host position and connected interfaces with the removed item.

Planned maintenance
Capture the as-found label, indications and configuration before disturbing the installation.

Controlled commissioning
Restore documented connections and prove the intended signal, communication or control response.

Spare qualification
Keep revision, configuration and acceptance evidence with the spare-part record.

Product Precautions

Verify the complete identity
Check every token in 8V1022.00-2 against the offered label and approved record.

Isolate the work boundary
Follow the site procedure for stored energy, field power and electrostatic handling.

Record connections
Photograph and label carriers, terminals, cables and keying before removal.

Preserve configuration
Archive applicable B&R ACOPOS motion-control platform settings before replacement.

Inspect mating hardware
Check connectors, terminal blocks, carriers and cable condition before blaming the module.

Prove the result
Use an approved functional test and retain as-left diagnostic and acceptance evidence.

Additional verified data

Limit/reference inputs	3, 24 VDC sink inputs
Enable inputs	1, 24 VDC sink input
Trigger inputs	2, 24 VDC sink inputs
Plug-in module slots	4
Degree of protection	IP20
Pollution degree	2
Overvoltage category	II
Nominal operating temperature	5 to 40 °C
Maximum operating temperature	55 °C with derating
Installation elevation	0-500 m nominal; 2000 m maximum with derating
Approved mounting	Vertical hanging or horizontal face-up; not standing horizontally

04 Technical FAQ

How should 8V1022.00-2 be identified before replacement?	Compare the complete 8V1022.00-2 marking, visible revision, installed position and the documented acopos servo drive role. Do not approve a shortened family reference.
What evidence should be recorded before removing 8V1022.00-2?	Photograph the complete label, connectors, cable routes, status indications and host position for 8V1022.00-2; retain the current B&R ACOPOS motion-control platform record.
How should the interfaces for 8V1022.00-2 be checked?	Map every connector, terminal and cable used by 8V1022.00-2 to the as-found record, then verify keying, shielding and interface ownership before reconnection.
What configuration boundary matters when commissioning 8V1022.00-2?	Use the approved B&R ACOPOS motion-control platform configuration for 8V1022.00-2. Physical fit alone does not establish electrical, firmware or project equivalence.
How can a suspected 8V1022.00-2 fault be separated from an external fault?	Check host power, mating hardware, field wiring and the applicable signal or communication path before controlled substitution of 8V1022.00-2.

Lifecycle Status

8V1022.00-2 status	A current lifecycle phase for this complete order code has not been confirmed.
Support and replacement	Match the complete identity, hardware execution and installed configuration when planning service.
Apter Power availability	The offered quantity and dispatch date are confirmed in the quotation.

Alternative Names

Reference variant	B&R ACOPOS 8V1022 00-2
Reference variant	B&R 8V1022-00-2 Servo Drive

Related product references

- Fanuc A20B-3300-0281/04B
- General Electric IC695PNC001
- General Electric DS200TBCAG1AAB
- Hardy 1746-WS
- HMS AB5030-B
- ABB DO801 3BSE020510R1
- Bently Nevada 3300/47
- B&R 8V1022.001-2

Engineering record prompts

Connector record	Photograph every used connector, cable label, keying feature and shield termination.
Host record	Identify the carrier, rack, drive, chassis or operator station that owns the installed position.

05 Ordering, downloads and enquiry workflow

What should be verified after installing 8V1022.00-2?	Confirm normal indications, interface continuity and the intended acopos servo drive response for 8V1022.00-2 in an approved test state.
Can 8V1022.00-2 be replaced by a similar-looking unit?	Appearance is not an equivalence criterion for 8V1022.00-2; compare the complete order code, revision, connectors and installed configuration.
What handover record is appropriate after work on 8V1022.00-2?	Retain the offered and removed 8V1022.00-2 markings, connection photographs, configuration evidence, diagnostics, functional-test results and open exceptions.

Ordering checks

Match the complete marking	Compare 8V1022.00-2 with the installed label and applicable B&R documentation.
Check the offered item before ordering	Request photos of the offered 8V1022.00-2 and compare markings, interfaces and included items with the installed unit.

Technical notes

Evidence scope	The B&R exact-order data sheet states the electrical, interface, environmental and mounting values used here.
Installation boundary	The exact installed carrier, terminals, cables and project configuration remain site-specific.
Technical reference	B&R 8V1022.00-2 official data sheet, version 1.8

What happens after you enquire

Review your reference	Send the complete 8V1022.00-2 marking, quantity and installed-system context.
Confirm the offer	Review the offered identity, condition, included items and delivery details.
Arrange dispatch	Confirm the accepted quantity and destination in the quotation.

Related product references

General Electric DS200TBCAG1AAB

Hardy 1746-WS

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Fanuc A20B-3300-0281/04B

General Electric IC695PNC001

Engineering record prompts

Configuration record	Archive the applicable project, address, parameter, firmware or hardware-setting evidence.
Supply-scope record	List terminal blocks, carriers, plugs, cables and accessories separately in the quotation.

Discuss the complete 8V1022.00-2 marking with Apter Power.

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Scan the WhatsApp QR to share nameplate and installed-system evidence.