

B&R - ACOPOS

8V1640.00-2

ACOPPOS Servo Drive

Technical specifications

Product family	ACOPPOS
Mains input	3 × 400 to 480 VAC ±10%
Mains frequency	50 / 60 Hz ±4%
Permissible network configurations	TT, TN
Installed load	Maximum 54 kVA
Inrush current at 400 VAC	26 A
Motor connections	1
Continuous motor current	64 Aeff
Peak motor current	200 Aeff
Nominal motor power	32 kW
Nominal switching frequency	10 kHz
Available switching frequencies	5 / 10 / 20 kHz
Maximum motor cable length	25 m
Maximum output frequency	598 Hz
Plug-in module slots	4
Integrated line filter	EN 61800-3 category C3
Power dissipation at nominal power	Approximately 1600 W without braking resistor
DC bus capacitance	3300 µF
Braking resistor capability	7 / 250 kW peak and 0.2 / 24 kW continuous, internal / external; 2.5 Ω minimum external resistance
Motor protection	Overload, short-circuit and ground-fault protection
Electronic restart inhibit	Integrated
Degree of protection	IP20
Operating temperature	5 to 40 °C nominal; 55 °C maximum with derating
Maximum installation elevation	2000 m; current derating starts above 500 m
Dimensions	27.6 × 46.0 × 29.5 cm (W × H × D)
Weight	24.1 kg

Documented role

B&R 8V1640.00-2 is a three-phase ACOPOS servo drive rated 64 Aeff continuous and 32 kW.

It controls one compatible B&R servo axis and accepts selected communication, feedback and I/O plug-in modules for the machine architecture.

Application and verification

- Precision position control for a compatible B&R servo motor axis
- Synchronized motion in automated packaging, handling and production machinery
- Speed and torque control using supported ACOPOS communication and feedback modules

Technical note

B&R 8V1640.00-2 requires exact motor, feedback, power, cooling, accessory and parameter matching. Record the installed configuration and validate grounding, shielding, thermal limits, enable or safety wiring and controlled startup before returning the axis to service.