B&R - ACOPOS

8V1045.00-2

ACOPOS Servo Drive

Technical specifications

Product family	ACOPOS servo drive
Mains input	3 × 400 to 480 VAC ±10%; 3 × 230 VAC ±10%
Mains frequency	50 / 60 Hz ±4%
Permissible network configurations	TT, TN
Installed load	Maximum 5 kVA
Inrush current at 400 VAC	7 A
Continuous motor current	4.4 Aeff
Peak motor current	24 Aeff
Nominal motor power	2 kW
Nominal switching frequency	20 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 180 W without braking resistor
DC bus capacitance	235 µF
Braking resistor output	7 kW peak; 200 W continuous
Motor protection	Overload, short-circuit and ground-fault protection
Restart inhibit	Integrated electronic restart inhibit
Degree of protection	IP20
Operating temperature	5 to 40 °C nominal; 55 °C maximum with derating
Storage / transport temperature	-25 to 55 °C / -25 to 70 °C
Maximum installation elevation	2000 m; current derating starts above 500 m
Dimensions	7.05 × 37.5 × 23.55 cm (W × H × D)
Weight	4.1 kg

Documented role

B&R 8V1045.00-2 is an ACOPOS servo drive rated 4.4 Aeff continuous and 2 kW for three-phase industrial motion control for the ACOPOS platform.

Documented applications

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

Selection and installation checks

8V1045.00-2 is a 4.4 Aeff ACOPOS drive. Verify motor and feedback matching, plug-in modules, saved parameters, 5 kVA supply, braking duty, cooling, grounding and the complete restart-inhibit safety circuit before replacement.