SERVOONE SO84.032

Product Data Sheet

SO84.032.0003.0001.2

Single-Axis Servo Drive

RATED MOTOR CURRENT	PEAK CURRENT AT 400 V, 4/8 KHZ	AC MAINS VOLTAGE	MAINS FREQUENCY
32 A RMS	**64 A RMS for 10 s**	**3 x 230/400/460/480 V +/-10%**	**50/60 Hz +/-10%**

LTI Motion SO84.032.0003.0001.2 is a ServoOne single-axis servo controller in the SO84.032 current class. The documented drive stage provides 32 A RMS rated motor current and selectable switching frequencies of 4, 8, 12 or 16 kHz. It combines an AC-fed power section with a separately supplied 24 V DC control section for configured closed-loop motion control.

01 TECHNICAL DATA

Rated motor current	32 A RMS
Peak current at 400 V, 4/8 kHz	64 A RMS for 10 s
AC mains voltage	3 x 230/400/460/480 V +/-10%
Mains frequency	50/60 Hz +/-10%
Output rotating-field frequency	0 to 400 Hz
Power-stage switching frequencies	4, 8, 12 or 16 kHz
Connected load with mains choke	22.2 kVA at 400 V, 8 kHz
Mains current with choke	34.9 A at 400 V, 8 kHz
Power loss at rated current	515 W at 400 V, 8 kHz
Control supply	24 V DC, SELV/PELV

LTi ServoOne Operation Manual 1100.20B.7-00, April 2014; SO84.032 common ratings and installation.

02 ADDITIONAL PRODUCT DATA

Maximum control-supply starting current	6 A
Continuous control-supply current	2 A
Enclosure protection	IP20; terminals IP00
Operating relative humidity	5 to 85%, non-condensing
Altitude without power reduction	Up to 1000 m

03 PRODUCT FUNCTION

The SO84.032 electrical table specifies a 22.2 kVA connected load and 34.9 A mains current with a mains choke at 400 V and 8 kHz. The output rotating-field range is 0 to 400 Hz, and available current depends on switching frequency, mains voltage and ambient temperature. The complete 0001 option designation is retained for this record; communication, feedback and function-package options are not inferred from a different SO84 drive.

04 SYSTEM COMPATIBILITY

Provide the separate 24 V DC SELV/PELV control supply and account for a starting demand up to 6 A and continuous demand of 2 A. Connect protective earth and retain the prescribed isolation between control circuits and the mains/DC-link section. Use the terminal layout and motor-feedback wiring that match the actual fitted options.

05 REFERENCE

LTi ServoOne Operation Manual 1100.20B.7-00, April 2014; SO84.032 common ratings and installation.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM