

Compumotor C3S063V2 F10 I11 T30 M00
Compax3 Servo Drive



\$950.00

In Stock

Qty Available: 1

Used and in Excellent Condition

Open Web Page

<https://www.artisanng.com/65276-13>

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Compax3 S0XX V2 Specifications

Specifications

Drive Input Power

Voltage

Phase

Frequency

24 VDC Logic Power (Required)

Drive Output Power

PWM

Continuous Current (RMS)

Peak Current (RMS)

Commutation

S025 V2

S063 V2

S100 V2

S150 V2

80-253 VAC

80-253 VAC

80-253 VAC

80-253 VAC

1Ø

1Ø

3Ø

3Ø

50/60 Hz

50/60 Hz

50/60 Hz

50/60 Hz

24 VDC ±15%

24 VDC ±15%

24 VDC ±15%

24 VDC ±15%

16/32 kHz (selectable)

16/32 kHz (selectable)

16/32 kHz (selectable)

8/16/32 kHz (selectable)

2.5 Amps

6.3 Amps

10 Amps

15 Amps

5 Amps

12.6 Amps

20 Amps

30 Amps

Sinusoidal

Sinusoidal

Sinusoidal

Sinusoidal

Performance

Torque Loop

Velocity Loop

Position Loop

62.5 micro seconds

125 micro seconds

125 micro seconds

Command Inputs (T10 only)

Velocity and Torque Mode

Position Mode

14 bit, ±10 VDC Analog

Step & Direction; 5V or 24 V level (300 kHz input frequency); differential signal

Onboard Digital Inputs

Type

Functions

Ixx T10 (4 dedicated)

Ixx T11 (8 dedicated)

Ixx T30 (8 programmable*)

Ixx T40 (8 programmable*)

Sinking type, 24 V nom. @ 10 mA, high = 9-32 V, low <8 V

Drive stage enable, control input enable, reset, motor brake open/close

Motion interrupt, Start, Drive Stage enable + 5 motion profile select inputs (or 4 inputs with a home input)

User definable via IEC61131-3 programming environment

User definable via IEC61131-3 programming environment

Analog Inputs (T11, T30, T40)

Two (dedicated); 14 bit

Onboard Digital Outputs

Type

Functions

Ixx T10 (4 dedicated)

Ixx T11 (4 dedicated)

Ixx T30 (4 programmable*)

Ixx T40 (4 programmable*)

Encoder

Relay

Sourcing type, rated for 24 V @ 100 mA, short-circuit protected

No fault, drive enabled, in position window, at zero point

No fault, position reached, power stage active, at zero point

User definable via IEC61131-3 programming environment

User definable via IEC61131-3 programming environment

Programmable up to 16,384 ppr (pre-quadrature)

Normally closed, dry contact (switching current: 10-300 mA, switching voltage [AC/DC]: 100 mV-60 V)

Analog Outputs (T11, T30, T40)

Two (dedicated); 8 bit; software configurable as monitor outputs

Communications

Type

Baud Rate

Multi-drop (RS485)

Profibus**

CANopen**

RS232 (3-wire) on RS485 (2- or 4-wire); 8-bit word length, 1 stop bit, no parity

Fixed at 115.8 Kbaud for RS232; adjustable for RS485

Up to 255 nodes

DPV0 supported; selectable Baud rate, 12 Mbd maximum transmission speed

DCiA, DS102 supported; selectable Baud rate, 1 Mbd maximum transmission speed

Environmental

Temperature

Humidity

IP Class

Still air: 33-113°F (0-45°C); moving air: 33-122°F (0-50°C)

0-75%, non-condensing

IP 20; IP 54 option available

Protection

Short Circuit

Brownout

Over Voltage

Over Temperature

I_{2t}

Safety Isolation

Phase-to-phase, phase-to-ground

Below 70 VDC

Will shut down when power dissipation capacity is exceeded

Motor 330°F (170°C), Drive 221°F (105°C)

Error generated if peak current > 3 seconds

VDE0160

Standards

UL, cUL, CE (EMC), CE (LVD)

Internal Regeneration

Capacities/Storable Energy

Compax3 S025 V2: 560 µF / 15Ws

Compax3 S063 V2: 1120 µF / 30Ws

Compax3 S100 V2: 780 µF / 21Ws

Compax3 S150 V2: 1,170 µF / 31Ws

* 12 additional I/O points available as an option

** Applicable only to models supporting this option

Compax3 SXXX V4 Specifications

Specifications

Drive Input Power

Voltage

Phase

Frequency

24 VDC Logic Power (Required)

Drive Output Power

PWM

Continuous Current (RMS)

Peak Current (RMS)

Commutation

S038 V4

S075 V4

S150 V4

S300 V4

80-525 VAC

3Ø

50/60 Hz

24 VDC ±15%

16/32 kHz (selectable)

3.8 Amps

7.5 Amps

Sinusoidal

80-525 VAC

3Ø

50/60 Hz

24 VDC ±15%

16/32 kHz (selectable)

7.5 Amps

15 Amps

Sinusoidal

80-525 VAC

3Ø

50/60 Hz

24 VDC ±15%

8/16/32 kHz (selectable)

15 Amps

30 Amps

Sinusoidal

80-525 VAC

3Ø

50/60 Hz

24 VDC ±15%

8/16/32 kHz (selectable)

30 Amps

60 Amps

Sinusoidal

Performance

Torque Loop

Velocity Loop

Position Loop

62.5 micro seconds

125 micro seconds

125 micro seconds

Command Inputs (T10 only)

Velocity and Torque Mode

Position Mode

14 bit, ±10 VDC Analog

Step & Direction; 5V or 24 V level (300 kHz input frequency); differential signal

Onboard Digital Inputs

Type

Functions

1xx T10 (4 dedicated)

1xx T11 (8 dedicated)

1xx T30 (8 programmable*)

1xx T40 (8 programmable*)

Sinking type, 24 V nom. @ 10 mA, high = 9-32 V, low <8 V

Drive stage enable, control input enable, reset, motor brake open/close

Motion interrupt, Start, Drive Stage enable + 5 motion profile select inputs (or 4 inputs with a home input)

User definable via IEC61131-3 programming environment

User definable via IEC61131-3 programming environment

Analog Inputs (T11, T30, T40)

Two (dedicated); 14 bit

Onboard Digital Outputs

Type

Functions

1xx T10 (4 dedicated)

1xx T11 (4 dedicated)

1xx T30 (4 programmable*)

1xx T40 (4 programmable*)

Encoder

Relay

Sourcing type, rated for 24 V @ 100 mA, short-circuit protected

No fault, drive enabled, in position window, at zero point

No fault, position reached, power stage active, at zero point

User definable via IEC61131-3 programming environment

User definable via IEC61131-3 programming environment

Programmable up to 16,384 ppr (pre-quadrature)

Normally closed, dry contact (switching current: 10-300 mA, switching voltage [AC/DC]: 100 mV-60 V)

Analog Outputs (T11, T30, T40)

Two (dedicated); 8 bit; software configurable as monitor outputs

Communications

Type

Baud Rate

Multi-drop (RS485)

Profibus**

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Fixed at 115.8 Kbaud for RS232; adjustable for RS485

Up to 255 nodes

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DCiA, DS102 supported; selectable Baud rate, 1 Mbd maximum transmission speed

Environmental

Temperature

Humidity

IP Class

Still air: 33-113°F (0-45°C); moving air: 33-122°F (0-50°C)

0-75%, non-condensing

IP 20; IP 54 option available

Protection

Short Circuit

Brownout

Over Voltage

Over Temperature

I²t

Safety Isolation

Phase-to-phase, phase-to-ground

Below 70 VDC

Will shut down when power dissipation capacity is exceeded

Motor 330°F (170°C), Drive 221°F (105°C)

Error generated if peak current > 3 seconds

VDE0160

Standards

UL, cUL, CE (EMC), CE (LVD)

Internal Regeneration

Capacities/Storable Energy

Compax3 S038 V4: 235 µF / 37Ws

Compax3 S075 V4: 470 µF / 75Ws

Compax3 S150 V4: 690 µF / 110Ws

Compax3 S300 V4: 1,100 µF / 176Ws

* 12 additional I/O points available as an option

** Applicable only to models supporting this option

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