GV50-460-180A-T1C Cut Sheet

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DURApulse GV50 series AC fan/pump drive, UL Type 1, 460 VAC, 125 hp with 3-phase input, SVC, V/Hz or FOC mode, H2 frame, RS-485. Optional communication and I/O modules available.

For complete product information, please see this item on our store at the following link:

https://www.automationdirect.com/pn/GV50-460-180A-T1C

Technical Specifications

Brand	DURApulse
Item	Drive
Controller Type	Fan/pump
Series	GV50
Voltage Type	AC
Nominal Drive Input Voltage	460 VAC
Nominal Drive Output Voltage	460 VAC
Number of Input Phases	3
Number of Output Phases	3
Horsepower By Input Phase	125 hp with 3-phase input
Amperage Rating	180A
Variable Torque Amperage Rating	180A
Control Mode	SVC, V/Hz or FOC
Integrated EMI Filter	Yes
Safe Torque Off (STO)	Built-in
Temperature Rating	-20 to +45 °C
Enclosure Type	UL Type 1
IP Rating	IP20
Mounting	Panel or wall
Frame Size	H2
Communication Port and Connection Type(s)	(2) RS-485 (RJ12)
Port Protocol(s)	• Modbus RTU • Modbus ASCII • BACnet
Port Speed(s)	up to 115.2k baud
Input Signal	4–20 mA, voltage or potentiometer input
Output Type	PWM output
Reverse Capability	Built-in
Internally Bypassed	No
Carrier Frequency Range	2–15 kHz
Output Frequency Range	0.1–599 Hz

Number of Analog Input Channels	3
Analog Input Signal Type	Current/voltage
Number of Non-Isolated Analog Input Commons	1
Number of Points per Analog Input Common	3
Input Resolution	12-bit
Input Current Signal Range	0–20 mA and 4–20 mA
Input Voltage Signal Range	0–10 VDC
Number of Analog Output Channels	2
Analog Output Signal Type	Current/voltage
Number of Non-Isolated Analog Output Commons	1
Number of Points per Analog Output Common	2
Output Resolution	12-bit
Output Current Signal Range	0–20 mA and 4–20 mA
Output Voltage Signal Range	0–10 VDC
Number of Discrete Input Points	6
Nominal Discrete Input Voltage	24 VDC
Discrete Input Type	Sinking/sourcing
Number of Non-Isolated Discrete Input Commons	1
Number of Points per Discrete Input Common	6
Number of Discrete Output Points	4
Nominal Discrete Output Voltage	240 VAC and 24 VDC
Discrete Output Type	Relay/sinking/sourcing
Relay Configuration	(1) Form C (SPDT) relay, (1) Form A (SPST) relay

Number of Non-Isolated Discrete Output Commons	1
Number of Isolated Discrete Output Commons	2
Number of Points per Discrete Output Common	2
Load Current	3A/point relay-resistive, 1.2A/point relay-inductive, 25 mA/point discrete, 50 mA pulse
Fuse Type	User-supplied external fuse
Programming Language	Ladder
Connector Type	Screw terminals
For Use With	3-phase induction motors
Additional Information	Optional communication and I/O modules available

Agency Approvals

EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com/static/drawings/2d/GV50-460-180A-T1C.pdf
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