

GV50-460-013A-T1F Cut Sheet



DURApulse GV50 series AC fan/pump drive, UL Type 1, 460 VAC, 7-1/2 hp with 3-phase input, SVC, V/Hz or FOC mode, B2 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/GV50-460-013A-T1F>

Technical Specifications

Brand	DURApulse	Number of Analog Input Channels	3
Item	Drive	Analog Input Signal Type	Current/voltage
Controller Type	Fan/pump	Number of Non-Isolated Analog Input Commons	1
Series	GV50	Number of Points per Analog Input Common	3
Voltage Type	AC	Input Resolution	12-bit
Nominal Drive Input Voltage	460 VAC	Input Current Signal Range	0–20 mA and 4–20 mA
Nominal Drive Output Voltage	460 VAC	Input Voltage Signal Range	0–10 VDC
Number of Input Phases	3	Number of Analog Output Channels	2
Number of Output Phases	3	Analog Output Signal Type	Current/voltage
Horsepower By Input Phase	7-1/2 hp with 3-phase input	Number of Non-Isolated Analog Output Commons	1
Amperage Rating	13A	Number of Points per Analog Output Common	2
Variable Torque Amperage Rating	13A	Output Resolution	12-bit
Control Mode	SVC, V/Hz or FOC	Output Current Signal Range	0–20 mA and 4–20 mA
Integrated EMI Filter	Yes	Output Voltage Signal Range	0–10 VDC
Safe Torque Off (STO)	Built-in	Number of Discrete Input Points	6
Temperature Rating	-20 to +45 °C	Nominal Discrete Input Voltage	24 VDC
Enclosure Type	UL Type 1	Discrete Input Type	Sinking/sourcing
IP Rating	IP20	Number of Non-Isolated Discrete Input Commons	1
Mounting	Panel or wall	Number of Points per Discrete Input Common	6
Frame Size	B2	Number of Discrete Output Points	4
Communication Port and Connection Type(s)	(2) RS-485 (RJ12)	Nominal Discrete Output Voltage	240 VAC and 24 VDC
Port Protocol(s)	• Modbus RTU • Modbus ASCII • BACnet	Discrete Output Type	Relay/sinking/sourcing
Port Speed(s)	up to 115.2k baud	Relay Configuration	(1) Form C (SPDT) relay, (1) Form A (SPST) relay
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		

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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
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Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/GV50-460-013A-T1F.pdf>
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