GS3-45P0 Cut Sheet

DURApulse GS3 series AC general purpose drive, enclosed, 460 VAC, 5hp with 3-phase input, SVC or V/Hz mode, B frame, RS-485, integrated dynamic braking.

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

https://www.automationdirect.com/pn/GS3-45P0

Technical Specifications

Brand	DURApulse
Item	Drive
Controller Type	General purpose
Series	GS3
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	5hp with 3-phase input
Amperage Rating	8.5A
Variable Torque Amperage Rating	8.5A
Control Mode	SVC or V/Hz
Safe Torque Off (STO)	No
Temperature Rating	-10 to 40 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel or wall
Frame Size	B
Dynamic Braking	Integrated dynamic braking
Communication Port and Connection Type(s)	(1) RS-485 (RJ12)
Port Protocol(s)	• Modbus RTU • Modbus ASCII
Port Speed(s)	up to 38.4k baud
Input Signal	4-20 mA, voltage or potentiometer input
Output Type	PWM output
Reverse Capability	Built-in
Internally Bypassed	No
Carrier Frequency Range	1-15 kHz
Output Frequency Range	0.1-400 Hz
Number of Analog Input Channels	3

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Analog Input Signal Type	Current/voltage
Number of Non-Isolated Analog Input Commons	1
Number of Points per Analog Input Common	3
Input Resolution	10-bit
Input Current Signal Range	0-20 mA and 4-20 mA
Input Voltage Signal Range	+/- 10 VDC
Number of Analog Output Channels	1
Number Of Output Channels	1
Analog Output Signal Type	Voltage
Number of Non-Isolated Analog Output Commons	1
Number of Points per Analog Output Common	1
Output Resolution	8-bit
Output Voltage Signal Range	0-10 VDC
Number of Discrete Input Points	11
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	11
Number of Discrete Output Points	4
Nominal Discrete Output Voltage	240 VAC and 48 VDC
Discrete Output Type	Relay/sinking/sourcing
Relay Configuration	(1) Form C (SPDT) relay
Number of Non-Isolated Discrete Output Commons	1

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Load Current	2.5A/point relay, 50 mA/point discrete
Fuse Type	User-supplied external fuse
Connector Type	Screw terminals
For Use With	3-phase induction motors

Agency Approvals

UL Listed File #	E198015
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document