

GS2-45P0 Cut Sheet



AutomationDirect GS2 series AC micro drive, enclosed, 460 VAC, 5hp with 3-phase input, V/Hz mode, B frame, RS-232/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/GS2-45P0>

Technical Specifications

Brand	AutomationDirect
Item	Drive
Controller Type	Micro
Series	GS2
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	8.2A
Variable Torque Amperage Rating	8.2A
Control Mode	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-232/RS-485 (RJ12)
Port Protocol(s)	<ul style="list-style-type: none">• 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	1-12 kHz
Output Frequency Range	0.1-400 Hz
Number of Analog Input Channels	1

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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	1
Input Resolution	10-bit
Input Current Signal Range	0-20 mA and 4-20 mA
Input Voltage Signal Range	0-10 VDC
Number of Analog Output Channels	1
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Analog Output Signal Type	Voltage
Number of Non-Isolated Analog Output Commons	1
Output Resolution	8-bit
Output Voltage Signal Range	0-10 VDC
Number of Discrete Input Points	6
Nominal Discrete Input Voltage	24 VDC
Discrete Input Type	Sourcing
Number of Non-Isolated Discrete Input Commons	1
Number of Points per Discrete Input Common	6
Number of Discrete Output Points	2
Nominal Discrete Output Voltage	240 VAC and 24 VDC
Discrete Output Type	Relay
Relay Configuration	(2) Form C (SPDT) relays
Number of Isolated Discrete Output Commons	2
Number of Points per Discrete Output Common	1

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Load Current	2.5A/point
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	No
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/GS2-45P0.pdf>
See store item page for other formats.