

# GS2-42P0 Cut Sheet



AutomationDirect GS2 series AC micro drive, enclosed, 460 VAC, 2hp with 3-phase input, V/Hz mode, A 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/GS2-42P0>

## Technical Specifications

Brand	AutomationDirect	Number Of Input Channels	1
Item	Drive	Analog Input Signal Type	Current/voltage
Controller Type	Micro	Number of Non-Isolated Analog Input Commons	1
Series	GS2	Number of Points per Analog Input Common	1
Voltage Type	AC	Input Resolution	10-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	1
Number of Output Phases	3	Number Of Output Channels	1
Horsepower By Input Phase	2hp with 3-phase input	Analog Output Signal Type	Voltage
Amperage Rating	4A	Number of Non-Isolated Analog Output Commons	1
Variable Torque Amperage Rating	4A	Output Resolution	8-bit
Control Mode	V/Hz	Output Voltage Signal Range	0-10 VDC
Safe Torque Off (STO)	No	Number of Discrete Input Points	6
Temperature Rating	-10 to 40 deg C	Nominal Discrete Input Voltage	24 VDC
Enclosure Type	Enclosed	Discrete Input Type	Sourcing
IP Rating	IP20	Number of Non-Isolated Discrete Input Commons	1
Mounting	35mm DIN rail, panel or wall	Number of Points per Discrete Input Common	6
Frame Size	A	Number of Discrete Output Points	2
Dynamic Braking	Integrated dynamic braking	Nominal Discrete Output Voltage	240 VAC and 24 VDC
Communication Port and Connection Type(s)	(1) RS-232/RS-485 (RJ12)	Discrete Output Type	Relay
Port Protocol(s)	• Modbus RTU • Modbus ASCII	Relay Configuration	(2) Form C (SPDT) relays
Port Speed(s)	up to 38.4k baud	Number of Isolated Discrete Output Commons	2
Input Signal	4-20 mA, voltage or potentiometer input	Number of Points per Discrete Output Common	1
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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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	<a href="#">View CE declarations</a>
CSA File #	None
RoHS Status	No
EU REACH	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/GS2-42P0.pdf>  
See store item page for other formats.