

GS1-20P5 Cut Sheet



AutomationDirect GS1 series AC micro drive, enclosed, 230 VAC, 1/2hp with 3-phase and 1-phase input, V/Hz mode, A frame, RS-485, none.

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



<https://www.automationdirect.com/pn/GS1-20P5>

Technical Specifications

Brand	AutomationDirect
Item	Drive
Controller Type	Micro
Series	GS1
Voltage Type	AC
Nominal Drive Input Voltage	230 VAC
Nominal Drive Output Voltage	230 VAC
Number of Input Phases	3 and 1
Number of Output Phases	3
Horsepower By Input Phase	1/2hp with 3-phase and 1-phase input
Amperage Rating	2.5A
Variable Torque Amperage Rating	2.5A
Control Mode	V/Hz
Safe Torque Off (STO)	No
Temperature Rating	-10 to 40 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	35mm DIN rail or wall
Frame Size	A
Dynamic Braking	None
Communication Port and Connection Type(s)	(1) RS-485 (RJ12)
Port Protocol(s)	<ul style="list-style-type: none">• Modbus RTU• Modbus ASCII
Port Speed(s)	up to 19.2k baud
Input Signal	4-20 mA, voltage or potentiometer input
Output Type	PWM output
Reverse Capability	Built-in
Internally Bypassed	No
Carrier Frequency Range	3-10 kHz
Output Frequency Range	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 Discrete Input Points	4
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	4
Number of Discrete Output Points	1
Nominal Discrete Output Voltage	240 VAC and 24 VDC
Discrete Output Type	Relay
Relay Configuration	(1) Form C (SPDT) relay
Number of Isolated Discrete Output Commons	1
Number of Points per Discrete Output Common	1
Load Current	2.5A/point
Fuse Type	User-supplied external fuse
Connector Type	Screw terminals
For Use With	3-phase induction motors

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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

Dimensional Drawings



2D Drawing PDF Link:
[https://cdn.automationdirect.com/
static/drawings/GS1-20P5.pdf](https://cdn.automationdirect.com/static/drawings/GS1-20P5.pdf)
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