GS23-21P0 Cut Sheet

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DURApulse GS20 series AC general purpose drive, enclosed, 230 VAC, 1 hp with 3-phase input, 1/2 hp with 1-phase input, SVC, V/Hz, FOC or torque mode, A5 frame, RS-485, integrated dynamic braking. Optional EtherNet/IP and Modbus TCP card available.

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

https://www.automationdirect.com/pn/GS23-21P0

Technical Specifications

Brand	DURApulse
Item	Drive
Controller Type	General purpose
Series	GS20
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 hp with 3-phase input, 1/2 hp with 1-phase input
Amperage Rating	4.8A with 3-phase input and 2.4A with 1-phase input
Variable Torque Amperage Rating	5A
Control Mode	SVC, V/Hz, FOC or torque
Integrated EMI Filter	No
Safe Torque Off (STO)	Built-in
Temperature Rating	-20 to +50 °C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel or wall
Frame Size	A5
Dynamic Braking	Integrated dynamic braking
Communication Port and Connection Type(s)	• (1) RS-485 (RJ45) • (1) USB B
Port Protocol(s)	• Modbus RTU Slave • Modbus ASCII Slave
Port Speed(s)	up to 115.2k baud
Input Signal	4–20 mA, voltage, potentiometer or pulse train 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
Number of Analog Input Channels	2
Analog Input Signal Type	Current/voltage
Number of Non-Isolated Analog Input Commons	1
Number of Points per Analog Input Common	2
Input Resolution	10-bit and 12-bit
Input Current Signal Range	0–20 mA and 4–20 mA
Input Voltage Signal Range	±10 VDC
Number of Analog Output Channels	1
Analog Output Signal Type	Current/voltage
Number of Non-Isolated Analog Output Commons	1
Number of Points per Analog Output Common	1
Output Resolution	10-bit
Output Current Signal Range	0–20 mA and 4–20 mA
Output Voltage Signal Range	0–10 VDC
Number of Discrete Input Points	7
Nominal Discrete Input Voltage	24 VDC
Discrete Input Type	Sinking/sourcing
Number of Non-Isolated Discrete Input Commons	2
Number of Points per Discrete Input Common	4
Number of Discrete Output Points	3
Nominal Discrete Output Voltage	240 VAC and 48 VDC
Discrete Output Type	Relay/sinking/sourcing
Relay Configuration	(1) Form C (SPDT) relay

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Number of Non-Isolated Discrete Output Commons	1
Number of Isolated Discrete Output Commons	1
Number of Points per Discrete Output Common	2
Load Current	3A/point relay, 50 mA/point discrete
Fuse Type	User-supplied external fuse
Programming Language	Ladder
Connector Type	Spring clamp terminals
For Use With	3-phase induction and permanent magnet AC motors
Additional Information	Optional EtherNet/IP and Modbus TCP card available

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/GS23-21P0.pdf
See store item page for other formats.