

GS13N-42P0 Cut Sheet



DURApulse GS10 series AC micro drive, enclosed, 460 VAC, 2hp with 3-phase input, SVC or V/Hz mode, B1 frame, RS-485, Modbus, 100kA SCCR.

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



<https://www.automationdirect.com/pn/GS13N-42P0>

Technical Specifications

Brand	DURApulse
Item	Drive
Controller Type	Micro
Series	GS10
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	2hp with 3-phase input
Amperage Rating	4.2A
Variable Torque Amperage Rating	4.6A
Control Mode	SVC or V/Hz
Safe Torque Off (STO)	No
Temperature Rating	-20 to 50 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel or wall
Frame Size	B1
Dynamic Braking	Integrated dynamic braking unit
Communication Port and Connection Type(s)	(1) RS-485 (RJ45)
Port Protocol(s)	<ul style="list-style-type: none"> • Modbus RTU Slave • Modbus ASCII Slave
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	2-15 kHz

Output Frequency Range	0.1-599 Hz
Number of Analog Input Channels	1
Number Of Input Channels	1
Analog Input Signal Type	Current/voltage
Number of Non-Isolated Analog Input Commons	1
Number of Points per Analog Input Common	1
Input Resolution	12-bit
Input Current Signal Range	0-20 mA, 4-20 mA
Input Voltage Signal Range	0-10 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	12-bit
Output Voltage Signal Range	0-10 VDC
Number of Discrete Input Points	5
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	3
Number of Discrete Output Points	2

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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
Number of Isolated Discrete Output Commons	1
Number of Points per Discrete Output Common	1
Load Current	3A/point relay, 50 mA/point discrete
Fuse Type	User-supplied external fuse
SCCR Rating	100kA SCCR
Connector Type	Spring clamp terminals
For Use With	3-phase induction and permanent magnet AC 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