

ACG-4020 Cut Sheet



IronHorse ACG series AC general purpose drive, enclosed, 460 VAC, 20hp with 3-phase input, 10hp with 1-phase input, SVC or V/Hz mode, E frame, RS-485, Modbus, 100kA SCCR. 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/ACG-4020>

Technical Specifications

Brand	IronHorse
Item	Drive
Controller Type	General purpose
Series	ACG
Voltage Type	AC
Nominal Drive Input Voltage	460 VAC
Nominal Drive Output Voltage	460 VAC
Number of Input Phases	3 and 1
Number of Output Phases	3
Horsepower By Input Phase	20hp with 3-phase input, 10hp with 1-phase input
Amperage Rating	31A with 3-phase input and 18A with 1-phase input
Variable Torque Amperage Rating	38A
Control Mode	SVC or V/Hz
Safe Torque Off (STO)	No
Temperature Rating	-10 to 50 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	35mm DIN rail, panel or wall
Frame Size	E
Dynamic Braking	Integrated dynamic braking
Communication Port and Connection Type(s)	(1) RS-485 (twisted pair)
Port Protocol(s)	Modbus RTU Slave
Port Speed(s)	up to 115.2k baud
Input Signal	4-20 mA, voltage or potentiometer input
Output Type	PWM output
Reverse Capability	Built-in
Internally Bypassed	No
Carrier Frequency Range	1-15 kHz
Output Frequency Range	0.1-400 Hz

Number of Analog Input Channels	2
Number Of 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
Input Current Signal Range	Input current signal range(s) of 4-20 mA
Input Voltage Signal Range	Input voltage signal range(s) of +/- 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	10-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	1
Number of Points per Discrete Input Common	5
Number of Discrete Output Points	2
Nominal Discrete Output Voltage	250 VAC and 30 VDC
Discrete Output Type	Relay

ACG-4020 Cut Sheet

Relay Configuration	(1) Form C (SPDT) relay, (1) Form A (SPST) relay
Number of Isolated Discrete Output Commons	2
Number of Points per Discrete Output Common	1
Load Current	1A/point
Fuse Type	User-supplied external fuse
SCCR Rating	100kA SCCR
Connector Type	Screw terminals
For Use With	3-phase induction 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/2d/ACG-4020.pdf>
See store item page for other formats.