

ACNND-23P0 Cut Sheet



IronHorse ACN series AC general purpose drive, NEMA 4X, 230 VAC, 3 hp with 3-phase input, 1-1/2 hp with 1-phase input, SVC, V/Hz or torque mode, 2 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/ACNND-23P0>

Technical Specifications

Brand	IronHorse	Number of Analog Input Channels	2
Item	Drive	Analog Input Signal Type	Current/voltage
Controller Type	General purpose	Number of Non-Isolated Analog Input Commons	1
Series	ACN	Number of Points per Analog Input Common	2
Voltage Type	AC	Input Resolution	12-bit
Nominal Drive Input Voltage	230 VAC	Input Current Signal Range	4–20 mA
Nominal Drive Output Voltage	230 VAC	Input Voltage Signal Range	±10 VDC
Number of Input Phases	3 and 1	Number of Analog Output Channels	1
Number of Output Phases	3	Analog Output Signal Type	Current/voltage
Horsepower By Input Phase	3 hp with 3-phase input, 1-1/2 hp with 1-phase input	Number of Non-Isolated Analog Output Commons	1
Amperage Rating	11A with 3-phase input and 6.1A with 1-phase input	Number of Points per Analog Output Common	1
Control Mode	SVC, V/Hz or torque	Output Resolution	12-bit
Integrated EMI Filter	No	Output Current Signal Range	0–20 mA and 4–20 mA
Safe Torque Off (STO)	Built-in	Output Voltage Signal Range	0–10 VDC
Temperature Rating	-10 to +40 °C	Number of Discrete Input Points	5
Enclosure Type	NEMA 4X	Nominal Discrete Input Voltage	24 VDC
IP Rating	IP66	Discrete Input Type	Sinking/sourcing
Mounting	Panel or wall	Number of Non-Isolated Discrete Input Commons	1
Frame Size	2	Number of Points per Discrete Input Common	5
Dynamic Braking	Integrated dynamic braking	Number of Discrete Output Points	2
Communication Port and Connection Type(s)	(1) RS-485 (twisted pair)	Nominal Discrete Output Voltage	240 VAC and 24 VDC
Port Protocol(s)	Modbus RTU Slave	Discrete Output Type	Relay/sinking/sourcing
Port Speed(s)	up to 115.2k baud	Relay Configuration	(1) Form C (SPDT) relay
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	1–15 kHz		
Output Frequency Range	0.1–400 Hz		

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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	1
Load Current	1A/point relay, 150 mA/point discrete
Fuse Type	User-supplied external fuse
Programming Language	Function block
Connector Type	Screw terminals
For Use With	3-phase induction and permanent magnet motors
Additional Information	Optional EtherNet/IP and Modbus TCP card available

Agency Approvals

UL Listed File #	198015
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/ACNND-23P0.pdf>
See store item page for other formats.