

ACM-23P0 Cut Sheet



IronHorse ACM series AC micro drive, enclosed, 230 VAC, 3 hp with 1-phase input, SVC or V/Hz mode, C frame, RS-485, integrated dynamic braking.

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



<https://www.automationdirect.com/pn/ACM-23P0>

Technical Specifications

Brand	IronHorse
Item	Drive
Controller Type	Micro
Series	ACM
Voltage Type	AC
Nominal Drive Input Voltage	230 VAC
Nominal Drive Output Voltage	230 VAC
Number of Input Phases	1
Number of Output Phases	3
Horsepower By Input Phase	3 hp with 1-phase input
Amperage Rating	11A
Control Mode	SVC or V/Hz
Integrated EMI Filter	Yes
Safe Torque Off (STO)	No
Temperature Rating	-10 to +50 °C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	35mm DIN rail, panel or wall
Frame Size	C
Dynamic Braking	Integrated dynamic braking
Communication Port and Connection Type(s)	(1) RS-485 (RJ45)
Port Protocol(s)	Modbus RTU 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	1–15 kHz
Output Frequency Range	0.1–400 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	1
Input Resolution	10-bit
Input Current Signal Range	4–20 mA
Input Voltage Signal Range	0–10 VDC
Number of Analog 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
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

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Fuse Type	User-supplied external fuse
Connector Type	Screw terminals
For Use With	3-phase induction 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
Other	RoHS Statement

Dimensional Drawings



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