

ACM-10P5 Cut Sheet



IronHorse ACM series AC micro drive, enclosed, 120 VAC, 1/2 hp with 1-phase input, SVC or V/Hz mode, B frame, RS-485.

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



<https://www.automationdirect.com/pn/ACM-10P5>

Technical Specifications

Brand	IronHorse	Number of Points per Analog Input Common	1
Item	Drive	Input Resolution	10-bit
Controller Type	Micro	Input Current Signal Range	4–20 mA
Series	ACM	Input Voltage Signal Range	0–10 VDC
Voltage Type	AC	Number of Analog Output Channels	1
Nominal Drive Input Voltage	120 VAC	Analog Output Signal Type	Voltage
Nominal Drive Output Voltage	230 VAC	Number of Non-Isolated Analog Output Commons	1
Number of Input Phases	1	Number of Points per Analog Output Common	1
Number of Output Phases	3	Output Resolution	10-bit
Horsepower By Input Phase	1/2 hp with 1-phase input	Output Voltage Signal Range	0–10 VDC
Amperage Rating	2.4A	Number of Discrete Input Points	5
Control Mode	SVC or V/Hz	Nominal Discrete Input Voltage	24 VDC
Integrated EMI Filter	No	Discrete Input Type	Sinking/sourcing
Safe Torque Off (STO)	No	Number of Non-Isolated Discrete Input Commons	1
Temperature Rating	-10 to +50 °C	Number of Points per Discrete Input Common	5
Enclosure Type	Enclosed	Number of Discrete Output Points	2
IP Rating	IP20	Nominal Discrete Output Voltage	250 VAC and 30 VDC
Mounting	35mm DIN rail, panel or wall	Discrete Output Type	Relay
Frame Size	B	Relay Configuration	(1) Form C (SPDT) relay, (1) Form A (SPST) relay
Communication Port and Connection Type(s)	(1) RS-485 (RJ45)	Number of Isolated Discrete Output Commons	2
Port Protocol(s)	Modbus RTU Slave	Number of Points per Discrete Output Common	1
Port Speed(s)	up to 38.4k baud	Load Current	1A/point
Input Signal	4–20 mA, voltage or potentiometer input	Fuse Type	User-supplied external fuse
Output Type	PWM output	Connector Type	Screw terminals
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		

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For Use With	3-phase induction motors
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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-10P5.pdf>
See store item page for other formats.
