

ACM-22P0 Cut Sheet



IronHorse ACM series AC micro drive, enclosed, 230 VAC, 2 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-22P0>

Technical Specifications

Brand	IronHorse	Number of Non-Isolated Analog Input Commons	1
Item	Drive	Number of Points per Analog Input Common	1
Controller Type	Micro	Input Resolution	10-bit
Series	ACM	Input Current Signal Range	4–20 mA
Voltage Type	AC	Input Voltage Signal Range	0–10 VDC
Nominal Drive Input Voltage	230 VAC	Number of Analog Output Channels	1
Nominal Drive Output Voltage	230 VAC	Analog Output Signal Type	Voltage
Number of Input Phases	1	Number of Non-Isolated Analog Output Commons	1
Number of Output Phases	3	Number of Points per Analog Output Common	1
Horsepower By Input Phase	2 hp with 1-phase input	Output Resolution	10-bit
Amperage Rating	7.5A	Output Voltage Signal Range	0–10 VDC
Control Mode	SVC or V/Hz	Number of Discrete Input Points	5
Integrated EMI Filter	Yes	Nominal Discrete Input Voltage	24 VDC
Safe Torque Off (STO)	No	Discrete Input Type	Sinking/sourcing
Temperature Rating	-10 to +50 °C	Number of Non-Isolated Discrete Input Commons	1
Enclosure Type	Enclosed	Number of Points per Discrete Input Common	5
IP Rating	IP20	Number of Discrete Output Points	2
Mounting	35mm DIN rail, panel or wall	Nominal Discrete Output Voltage	250 VAC and 30 VDC
Frame Size	C	Discrete Output Type	Relay
Dynamic Braking	Integrated dynamic braking	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		
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		

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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-22P0.pdf>
See store item page for other formats.