

# ES1-3A-N4 Cut Sheet



IronHorse ES1 series AC general purpose drive, NEMA 4X, 120 VAC and 230 VAC, 3/4 hp with 1-phase input, V/Hz mode, 1 frame.

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



<https://www.automationdirect.com/pn/ES1-3A-N4>

## Technical Specifications

<b>Brand</b>	IronHorse
<b>Item</b>	Drive
<b>Controller Type</b>	General purpose
<b>Series</b>	ES1
<b>Voltage Type</b>	AC
<b>Nominal Drive Input Voltage</b>	120 VAC and 230 VAC
<b>Nominal Drive Output Voltage</b>	230 VAC
<b>Number of Input Phases</b>	1
<b>Number of Output Phases</b>	3
<b>Horsepower By Input Phase</b>	3/4 hp with 1-phase input
<b>Amperage Rating</b>	3A
<b>Variable Torque Amperage Rating</b>	3A
<b>Control Mode</b>	V/Hz
<b>Integrated EMI Filter</b>	No
<b>Safe Torque Off (STO)</b>	None
<b>Temperature Rating</b>	-10 to +35 °C
<b>Enclosure Type</b>	NEMA 4X
<b>IP Rating</b>	IP67
<b>Mounting</b>	Wall
<b>Frame Size</b>	1

<b>Input Signal</b>	Potentiometer input
<b>Output Type</b>	PWM output
<b>Reverse Capability</b>	Field-install
<b>Internally Bypassed</b>	No
<b>Carrier Frequency Range</b>	8 kHz
<b>Output Frequency Range</b>	0–120 Hz
<b>Number of Discrete Output Points</b>	1
<b>Nominal Discrete Output Voltage</b>	120 VAC and 30 VDC
<b>Discrete Output Type</b>	Relay
<b>Relay Configuration</b>	(1) Form C (SPDT) relay
<b>Number of Isolated Discrete Output Commons</b>	1
<b>Number of Points per Discrete Output Common</b>	1
<b>Load Current</b>	1A/point
<b>Fuse Type</b>	User-supplied external fuse
<b>Connector Type</b>	Spring clamp terminals
<b>For Use With</b>	3-phase induction motors

## Agency Approvals

<b>UL Listed File #</b>	E198015
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	None
<b>CSA File #</b>	None
<b>RoHS Status</b>	No
<b>EU REACH</b>	View EU REACH document

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/ES1-3A-N4.pdf>  
See store item page for other formats.