

# ES1-6A-N4R Cut Sheet



IronHorse ES1 series AC general purpose drive, NEMA 4X, 120 VAC and 230 VAC, 2 hp @ 230 VAC or 1 hp @ 120 VAC 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/ES1-6A-N4R>

## Technical Specifications

Brand	IronHorse
Item	Drive
Controller Type	General purpose
Series	ES1
Voltage Type	AC
Nominal Drive Input Voltage	120 VAC and 230 VAC
Nominal Drive Output Voltage	230 VAC
Number of Input Phases	1
Number of Output Phases	3
Horsepower By Input Phase	2 hp @ 230 VAC or 1 hp @ 120 VAC with 1-phase input
Amperage Rating	6A @ 230 VAC/4.5A @ 120 VAC with 1-phase input
Variable Torque Amperage Rating	6A @ 230 VAC/4.5A @ 120 VAC with 1-phase input
Control Mode	V/Hz
Integrated EMI Filter	No
Safe Torque Off (STO)	None
Temperature Rating	-10 to +35 °C
Enclosure Type	NEMA 4X
IP Rating	IP67
Mounting	Wall

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

## Agency Approvals

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

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/ES1-6A-N4R.pdf>  
See store item page for other formats.