

Product data sheet

Characteristics

831VS-120A

Voltage sensor relay, SE Relays, SPDT, 15A, 120 VAC, 0 to 10 s, 1 time scale, 85-150 VAC to 30-90% Us, DIN mounting



Main

Product Range	Legacy
Product Type	Relay
Sensory Type	Voltage sensor
Switch Function	SPDT
Contacts Material	AgNi
Time Delay Type	Adjustable
Rated Supply Voltage	7.5...150 V AC 50...60 Hz

Complementary

Time Delay Range	0...10 s
Control Type	With adjustment knob front
Nominal Output Current	15 A
Local Signalling	1 LED red, blinking timing in progress 1 LED per input green
Repeat Accuracy	+/- 1 % - 5...5 %
Hysteresis	2...6 % adjustable from fault to OK state overvoltage or undervoltage detection
Tripping Threshold	85...150 V AC factory setting) 30...99 % of Us Auto calibration
Temperature Drift	< 1 %/°C
Power Consumption in VA	1.2 VA 120 V
Rated Operational Current	15 A at 240 V AC 15 A at 120 V AC 15 A at 24 V DC
Breaking Capacity	4000 VA AC-1 384 W DC-1
Motor Power HP	0.5 hp 120 V AC 1 hp 240 V AC
Minimum Switching Current	100 mA
Maximum Switching Voltage	12 V
Tightening Torque	7.08 lbf.in (0.8 N.m)
AWG Gauge	AWG 14

Electrical Durability	70000 cycles
Mechanical Durability	30000000 cycles
Mounting Support	35 mm DIN rail conforming to EN 55022
Height	2.57 in (65.4 mm)
Width	0.69 in (17.6 mm)
Depth	3.54 in (89.9 mm)
Product Weight	2.19 oz (62 g)

Environment

Dielectric Strength	4000 V between input and output
Standards	IEC 61010-1
Product Certifications	CE UL
Ambient Air Temperature for Storage	-22...158 °F (-30...70 °C)
Ambient Air Temperature for Operation	-4...131 °F (-20...55 °C)
IP Degree of Protection	IP40 IEC 60529 enclosure)

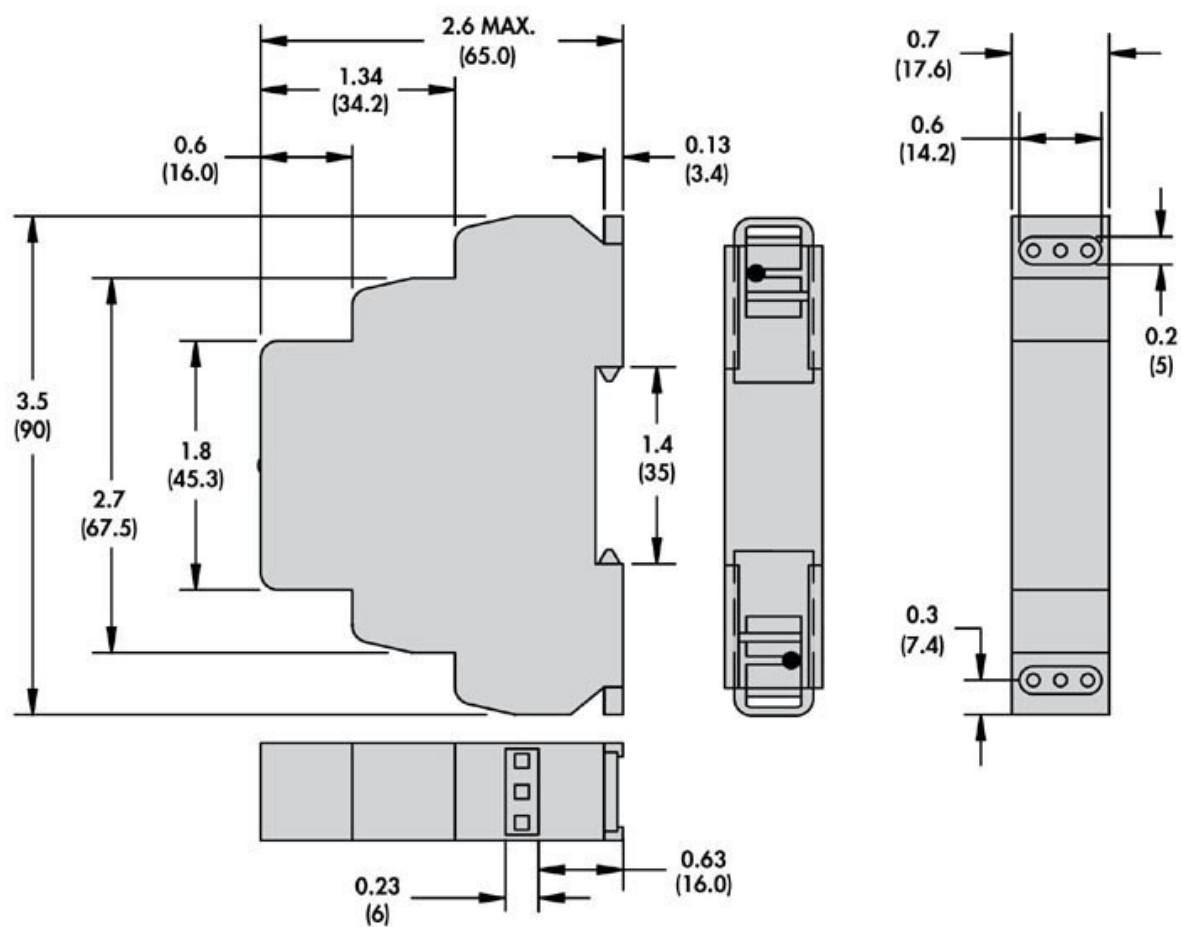
Ordering and shipping details

GTIN	03606480282041
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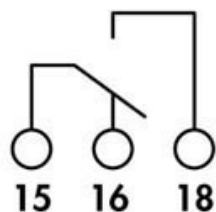
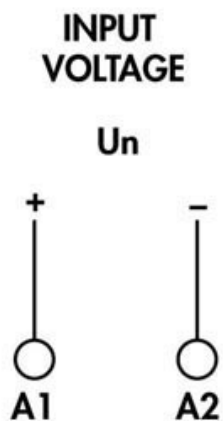
Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Approximate Dimensions



Connections and Wiring Diagrams



15 - COMMON
16 - NORMALLY CLOSED
18 - NORMALLY OPEN