

Product data sheet

Specifications



Voltage sensor relay, SE Relays, SPDT, 15A, 24 VDC, 0 to 10 s, 1 time scale, 6-30 VDC, DIN mounting

831VS-24D

⚠ Discontinued on: Oct 22, 2024

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Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Product Range	Legacy
Sensory Type	Voltage sensor
Product or Component Type	Relay
Switch Function	SPDT
Contacts Material	AgNi
Time Delay Type	Adjustable
Rated Supply Voltage	18...30 V DC

Complementary

Time Delay Range	0...10 s
Control Type	With adjustment knob front
Voltage Range	6...30 V
Nominal Output Current	15 A
Local Signalling	1 LED red 1 LED green
Repeat Accuracy	+/- 1 %
Hysteresis	2...6 % adjustable from fault to OK state overvoltage or undervoltage detection
Tripping Threshold	18...30 V 30...99 % of Us
Temperature Drift	< 0.1 %/°C
Power Consumption in W	1.2 W 24 V
Rated Operational Current	15 A at 240 V AC-1
Breaking Capacity	4000 VA AC-1
Motor Power HP	0.5 hp 120 V AC 1 hp 240 V AC
Minimum Switching Current	100 mA 5 V
Maximum Switching Voltage	250 V
Tightening Torque	7.08 lbf.in (0.8 N.m)
AWG Gauge	AWG 14
Electrical Durability	30000 cycles
Mechanical Durability	15000000 cycles

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mounting Support	35 mm DIN rail conforming to EN 60715
Height	3.5 in (90 mm)
Width	0.7 in (17.6 mm)
Depth	2.5 in (64 mm)
Product Weight	3.07 oz (87 g)

Environment

Dielectric Strength	4000 V between input and output
Standards	IEC 61010-1 EN 60255-26 EN 60255-27
Product Certifications	CE UL WEEE RoHS
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	IP20 IEC 60529 terminals) IP40 IEC 60529 front panel)

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606480282065
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.54 in (9.0 cm)
Package 1 Width	0.69 in (1.76 cm)
Package 1 Length	2.56 in (6.5 cm)
Package 1 Weight	3.1 oz (88.0 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	10
Package 2 Height	2.95 in (7.5 cm)
Package 2 Width	3.94 in (10.0 cm)
Package 2 Length	8.74 in (22.2 cm)
Package 2 Weight	2.09 lb(US) (0.95 kg)

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

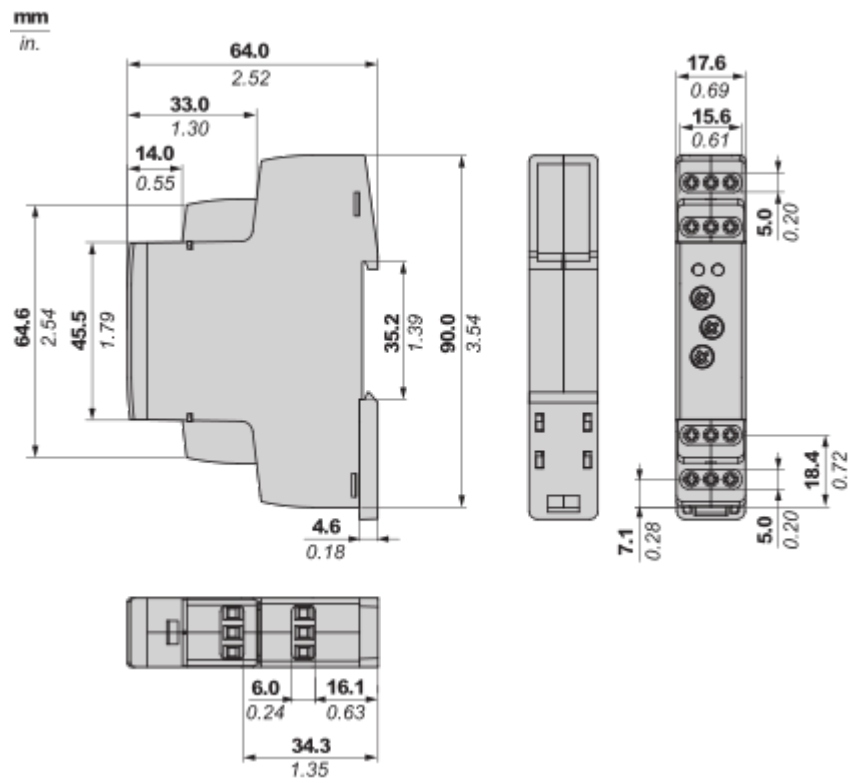
 Materials and Substances	
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, 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

Use Again

 Repack and remanufacture	
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions Drawings

Dimensions



Technical Illustration

Dimensions

