

Product data sheet

Specifications



VD23 - VOLTAGE DETECTION RELAY

EMS58421

Main

Device Short Name	VD 23
Range Of Product	Easergy Flair
Product Or Component Type	Voltage detection relay
Range Compatibility	RM6 SM6-24 SM6-36 Flusarc Premset FBX
Rated Voltage (Ur)	3...36 kV

Complementary

Function Available	Voltmeter
Local Signalling	1 LED for voltage presence phase to phase or phase to neutral 1 LED for voltage absence phase to phase or phase to neutral
Supply	24...48 V DC external supply
Threshold Setting	40...90 % of Un 10 % increments voltage presence 10...30 % of Un 10 % increments voltage absence 30...60 % of Un 10 % increments residual voltage
Communication Port Protocol	Without
Time Delay Setting	0...1 s in steps of 0.1 s activation voltage relay 1...21 s in steps of 2 s activation voltage relay 1...15 min activation voltage relay 0...1 s in steps of 0.1 s release voltage relay 1...3 s in steps of 0.5 s release voltage relay
Height	48 mm
Width	96 mm
Depth	100 mm
Net Weight	0.244 kg

Environment

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

Electromagnetic Compatibility	Electrostatic discharge - test level: 8 kV level 3 (air discharge) conforming to IEC 61000-4-2 Electrostatic discharge - test level: 6 kV level 3 (contact discharge) conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m, 80 MHz...1 GHz level 3 conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test - test level: 4 kV CM, 5kHz level 4 conforming to IEC 61000-4-4 Immunity to impulse waves - test level: 42 Ohm level 3 (on input-output) conforming to IEC 61000-4-5 Immunity to impulse waves - test level: 2 Ohm level 3 (on power supply) conforming to IEC 61000-4-5 Conducted RF disturbances - test level: 0.15...80 MHz, 10 V/m, 80 % MA (1 kHz) level 3 conforming to IEC 61000-4-6 Immunity to magnetic fields - test level: 30 A/m (permanent)-300 A/m (1 s) level 4 conforming to IEC 61000-4-8 Damped oscillating waves - test level: +/- 2.5 kV CM, +/- 1 kV DM, 1 MHz level 4 conforming to IEC 61000-4-12
Mechanical Robustness	Vibrations 9...200 Hz 1 gn 1 cycle conforming to IEC 60068-2-26 Seismic tests 2 gn horizontal position conforming to IEC 60068-2-29 Seismic tests 1 gn vertical position conforming to IEC 60068-2-29 Shocks 10 gn 11 ms 3 pulses in operation conforming to IEC 60068-2-27
Ip Degree Of Protection	Front panel: IP41 Other parts: IP30
Ik Degree Of Protection	IK07 conforming to IEC 62262
Ambient Air Temperature For Operation	-40...70 °C
Relative Humidity	95 % conforming to IEC 60068-2-30

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.2 cm
Package 1 Width	11.2 cm
Package 1 Length	13.9 cm
Package 1 Weight	242.0 g
Unit Type Of Package 2	S04
Number Of Units In Package 2	48
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	13.3 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance



Mercury Free



RoHS Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information