

Product datasheet

Specifications



VD23 - VOLTAGE DETECTION RELAY

EMS58421

EAN Code: 3606480287336

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
Communication port protocol	Without

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
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	<p>Electrostatic discharge - test level: 8 kV level 3 (air discharge) conforming to IEC 61000-4-2</p> <p>Electrostatic discharge - test level: 6 kV level 3 (contact discharge) conforming to IEC 61000-4-2</p> <p>Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m, 80 MHz...1 GHz level 3 conforming to IEC 61000-4-3</p> <p>Electrical fast transient/burst immunity test - test level: 4 kV CM, 5kHz level 4 conforming to IEC 61000-4-4</p> <p>Immunity to impulse waves - test level: 42 Ohm level 3 (on input-output) conforming to IEC 61000-4-5</p> <p>Immunity to impulse waves - test level: 2 Ohm level 3 (on power supply) conforming to IEC 61000-4-5</p> <p>Conducted RF disturbances - test level: 0.15...80 MHz, 10 V/m, 80 % MA (1 kHz) level 3 conforming to IEC 61000-4-6</p> <p>Immunity to magnetic fields - test level: 30 A/m (permanent)-300 A/m (1 s) level 4 conforming to IEC 61000-4-8</p> <p>Damped oscillating waves - test level: +/- 2.5 kV CM, +/- 1 kV DM, 1 MHz level 4 conforming to IEC 61000-4-12</p>
Mechanical robustness	<p>Vibrations 9...200 Hz 1 gn 1 cycle conforming to IEC 60068-2-26</p> <p>Seismic tests 2 gn horizontal position conforming to IEC 60068-2-29</p> <p>Seismic tests 1 gn vertical position conforming to IEC 60068-2-29</p> <p>Shocks 10 gn 11 ms 3 pulses in operation conforming to IEC 60068-2-27</p>
IP degree of protection	<p>Front panel: IP41</p> <p>Other parts: IP30</p>
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	7.200 cm
Package 1 Width	11.200 cm
Package 1 Length	13.900 cm
Package 1 Weight	247.000 g
Unit Type of Package 2	S04
Number of Units in Package 2	48
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	12.556 kg

Logistical informations

Country of origin	FR
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Environmental Data

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 >](#)



Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

[EU RoHS Directive](#)

Compliant with Exemptions

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

End of life manual availability

[End of Life Information](#)

Take-back

No

WEEE Label



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