



Figure similar

DIRECTIONAL SHORT CIRCUIT AND EARTH FAULT DETECTOR VOLTAGE MEASUREMENT VIA RESISTIVE VOLTAGE DIVIDER, CONVENTIONAL VT OR 230V DIRECT FOR LV APPLICATIONS FOR LOW-POWER CURRENT SENSORS 1 BINARY INPUT 2 BINARY OUTPUTS MEASUREMENT/CALCULATION OF VALUES U,I,P,Q,S,F,COS PHI ENERGY COUNTER COMMUNICATION MODBUS RTU POWER SUPPLY DC24-110V / AC230V

Product details	
product function / connection to capacitive LRM voltage detecting systems	No
Measuring functions	
number of events	20
product function / phase angle measurement	Yes
product function / active power measurement	Yes
product function / reactive power measurement	Yes
product function / apparent power measurement	Yes
product function / power factor measurement	Yes
product function / measurement of ground current	Yes
product function / calculation of ground current	Yes
accuracy class / according to IEC 61557-12	0.5
Product Functions	
automatic calibration	No
adjustable rated value of primary current	50 ... 1 000 A
adjustable rated value of primary voltage	400 V ... 36 kV
correction factors for voltage values according to IEC 61869-11	Yes
correction factors for current values according to IEC 61869-10	Yes
reversal of load flow direction per phase	Yes
inversion of active power, reactive power	Yes
phase-rotation supervision	Yes
min/max pointer	Yes
direct low voltage measurement	Yes
remote parameterization	Yes
remote firmware update	Yes
password protection	Yes
undervoltage detection	Yes
overvoltage detection	Yes
overcurrent detection	Yes
self-test	Yes
number of display languages / note	German, English, Spanish, Portuguese, French
Short-Circuit Indicator Functions	
product function / phase-selective fault acquisition	Yes
product function / ground fault detection with cos phi/sin phi	Yes
product function / ground fault detection with pulse detection	Yes
product function / ground fault detection with earth leakage wiper	Yes
product function / parameter group switchover for ground fault detection	Yes

type of distribution system / with regard to neutral point	grounded, insulated, compensated
number of overcurrent-time levels	2
product function / automatic reset of the fault display	Yes
product function / reset of the fault display via digital input	Yes
product function / reset of the fault display via user interface	Yes
product function / reset of the fault display via Modbus	Yes
product function / AMZ overcurrent protection with inverse time over tripping characteristic (NI)	Yes
product function / fault display via LED	Yes
product function / fault display via display	Yes
product function / fault display via Modbus	Yes
product function / monitoring for repeated short-circuits	Yes
product function / intermittent ground fault detection	Yes
product function / inrush current detection	Yes

Energy Management functions

product function / active energy measurement	Yes
product function / reactive energy measurement	Yes

Measuring inputs

number of inputs / for voltage measurement	3
number of inputs / for current measurement	3

Supply voltage

supply voltage / at AC	230 ... 230 V
supply voltage / at DC / rated value	24 ... 250 V
type of voltage / of the supply voltage	AC/DC
line frequency	50 ... 60 Hz

Inputs / Outputs

number of digital inputs	1
number of digital inputs / note	reset of fault display
number of digital outputs	2

Communication

protocol / is supported / Modbus RTU	Yes
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Time synchronization

type of time synchronization	Modbus
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Mechanical Design

width	96 mm
height	48 mm
depth	109.5 mm
weight	300 g
fastening method / panel mounting	Yes
type of electrical connection	spring-loaded terminal / screw terminal

Degree of protection / protection class

protection class IP / on the front	IP40
protection class IP / rear side	IP20

Environmental conditions

ambient temperature / during operation	-40 ... +70 °C
ambient temperature / during storage	-25 ... +55 °C
mounting height in relation to mean sea level / maximum	2 000 m

Approval certification

certificate of suitability / CE marking	Yes
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Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information- and Downloadcenter (catalogues, leaflets,...)

<http://www.siemens.com/energy-automation>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mifb=6MD2321-1AA00-1AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/6MD2321-1AA00-1AA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mifb=6MD2321-1AA00-1AA0

Tender specifications

