

DIGITAL MONITORING RELAY VOLTAGE MONITORING,
22.5MM FROM 10 TO 600V AC/DC OVERSHOOT AND
UNDERSHOOT SUPPLY VOLTAGE: AC/DC 24V DC AND
AC 50 TO 60 HZ NO GALVANIC ISOLATION FROM
MEASURING CIRCUIT INTERF. PEAK DELAY 0.1 TO 20S
HYSTERESIS 0.01 TO 300V 1 CO CONTACT W. OR W/O
ERROR LOG SCREW TERMINAL REPLACEMENT
PRODUCT FOR 3UG3532-1AC..

Product function	Voltage monitoring relay
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Measuring circuit:

Type of voltage / for monitoring		AC/DC
Number of poles / for main current circuit		1
Measurable line frequency	Hz	500 40
Measurable voltage for AC	V	10 600
Adjustable voltage range	V	10 600
Adjustable response delay time with lower or upper limit violation	s	0.1 20
Response time / maximum	ms	450
Relative metering precision	%	5
Precision of digital display		+/-1 digit
Relative temperature-related measurement deviation	%	0.1
Relative repeat accuracy	%	1

General technical details:

Design of the display	LCD
Product function	
tension window recognition of 1 phase	Yes
tension window recognition of 3 phases	No
tension window recognition DC	Yes
overvoltage recognition of 1 phase	Yes
overvoltage recognition of 3 phases	No
overvoltage recognition DC	Yes
undervoltage recognition of 1 phase	Yes
undervoltage recognition of 3 phases	No
undervoltage recognition DC	Yes
reset external	Yes

self-reset		Yes
open-circuit or closed-circuit current principle		Yes
Starting time / after the control supply voltage has been applied	ms	1,000
Type of voltage / of the controlled supply voltage		AC/DC
Control supply voltage		
at 50 Hz / at AC		
rated value	V	24 24
at 60 Hz / at AC		
rated value	V	24 24
for DC		
rated value	V	24 24
Operating range factor control supply voltage rated value		
at 50 Hz		
for AC		0.85 1.15
at 60 Hz		
for AC		0.85 1.15
for DC		0.85 1.15
Impulse voltage resistance / rated value	kV	4
Recorded real power	W	2
Protection class IP		IP20
Electromagnetic compatibility		IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4
Resistance against vibration / according to IEC 60068-2-6		1 6 Hz: 15 mm, 6 500 Hz: 2g
Resistance against shock / according to IEC 60068-2-27		sinusoidal half-wave 15g / 11 ms
Installation altitude / at a height over sea level / maximum	m	2,000
Maximum permissible voltage for safe disconnection		
between control and auxiliary circuit	V	300
between auxiliary circuit and auxiliary circuit	V	300
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4		2 kV
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5		2 kV
Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5		1 kV
Electrostatic discharge / according to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling / according to IEC 61000-4-3		10 V/m
Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / rated value	V	690
Ambient temperature		
during operating	°C	-25 +60
during storage	°C	-40 +85
during transport	°C	-40 +85

Design of the electrical isolation		Safe isolation
Galvanic isolation		
between entrance and outlet		Yes
between the outputs		Yes
between the voltage supply and other circuits		No
Mechanical operating cycles as operating time / typical		10,000,000
Electrical operating cycles as operating time / at AC-15 / at 230 V / typical		100,000
Operating cycles / with 3RT2 contactor / maximum	1/h	5,000

Mechanical design:		
Width	mm	22.5
Height	mm	92
Depth	mm	91
mounting position		any
Distance, to be maintained, to earthed part		
forwards	mm	0
backwards	mm	0
sidewards	mm	0
upwards	mm	0
downwards	mm	0
Distance, to be maintained, to the ranks assembly		
forwards	mm	0
backwards	mm	0
sidewards	mm	0
upwards	mm	0
downwards	mm	0
Distance, to be maintained, conductive elements		
forwards	mm	0
backwards	mm	0
sidewards	mm	0
upwards	mm	0
Type of mounting		snap-on mounting
Product function / removable terminal for auxiliary and control circuit		Yes
Design of the electrical connection		screw-type terminals
Type of the connectable conductor cross-section		
solid		1x (0.5 ... 4 mm ²), 2x (0.5 ... 2.5 mm ²)
finely stranded		
with wire end processing		1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²)

for AWG conductors		
solid		2x (20 ... 14)
stranded		2x (20 ... 14)
Tightening torque		
with screw-type terminals	N·m	1.2 0.8

Outputs:

Number of NO contacts / delayed switching		0
Number of NC contacts / delayed switching		0
Number of change-over switches / delayed switching		1
Operating current / at 17 V / minimum	mA	5
Continuous current / of the DIAZED fuse link of the output relay	A	4
Thermal current / of the contact-affected switching element / maximum	A	5

Certificates/approvals:

General Product Approval			EMC	Test Certificates
 CCC	 GOST	 UL	 C-TICK	Special Test Certificate
Shipping Approval			other	
 DNV	 GL	 LRS	Declaration of Conformity	other

Further information:

Information- and Downloadcenter (Catalogs, Brochures,)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

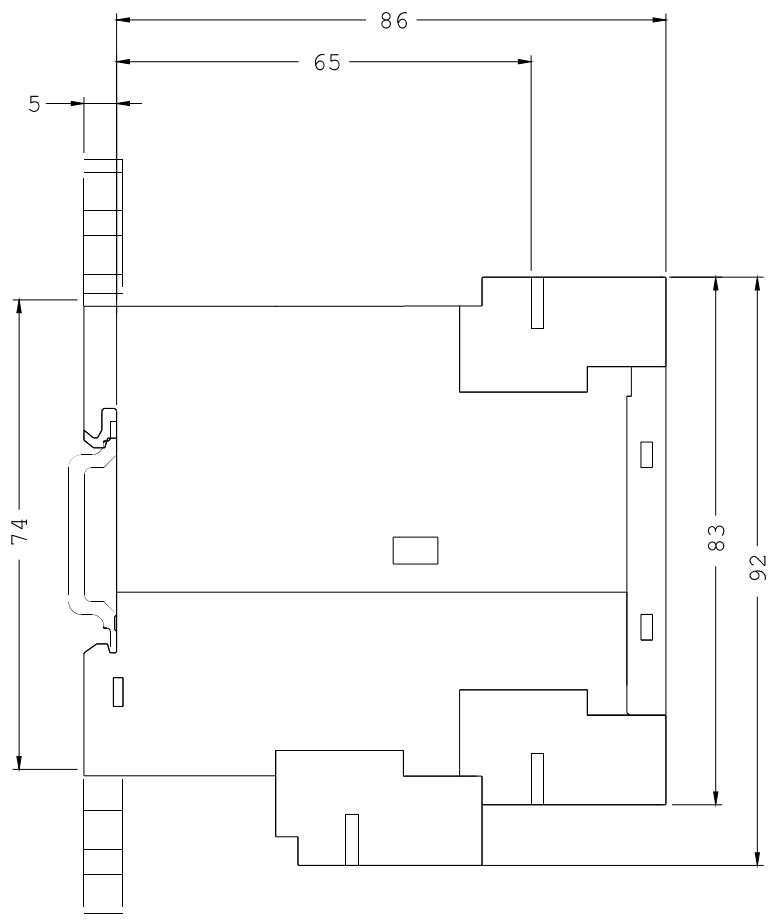
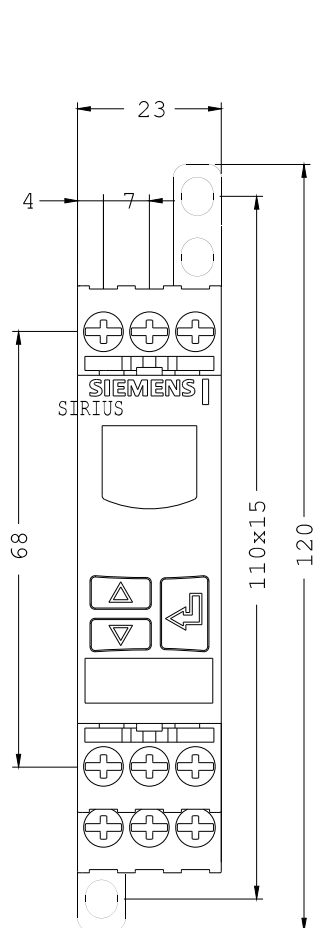
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3UG4632-1AA30/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3UG4632-1AA30



last change:

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