SIEMENS

Data sheet

3UG4632-1AW30



DIGITAL MONITORING RELAY VOLTAGE MONITORING, 22.5MM FROM 10 TO 600V AC/DC OVERSHOOT AND UNDERSHOOT AC/DC 24 TO 240V DC AND AC 50 TO 60 HZ SPIKE DELAY 0.1 TO 20S HYSTERESIS 0.1 TO 300V 1 CHANGEOVER CONTACT W. OR W/O ERROR LOG SCREW TERMINAL REPLACEMENT PRODUCT F. 3UG3532-1AL20, 3UG3532-1AG20

Voltage monitoring relay

Product function

		с с,		
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 with 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		
Accuracy of digital display		+/-1 digit		
Relative temperature-related measurement deviation	%	0.1		
Relative repeat accuracy	%	1		

General technical data:

LCD
Yes
No
Yes
Yes
No
Yes
Yes
No

 undervoltage detection DC 		Yes
External reset		Yes
Auto-reset		Yes
Adjustable open/closed-circuit current principle		Yes
Startup time after the control supply voltage has been	ms	1 000
applied	1115	
Type of voltage of the control supply voltage	-	AC/DC
Control supply voltage	-	
• with AC		
— at 50 Hz Rated value	V	24 240
— at 60 Hz Rated value	V	24 240
 for DC Rated value 	V	24 240
Operating range factor control supply voltage rated	-	
value		
• with AC		
— at 50 Hz		0.85 1.1
— at 60 Hz		0.85 1.1
• for DC		0.85 1.1
Surge voltage resistance Rated value	kV	4
Active power consumption	W	2
Protection class IP	-	IP20
Electromagnetic compatibility		IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4
Vibration resistance acc. to IEC 60068-2-6		1 6 Hz: 15 mm, 6 500 Hz: 2g
Shock resistance acc. to IEC 60068-2-27		sinusoidal half-wave 15g / 11 ms
Installation altitude at height above sea level maximum	m	2 000
maximum permissible voltage for safe isolation	-	
 between control and auxiliary circuit 	V	300
 between auxiliary and auxiliary circuit 	V	300
Conducted interference due to burst acc. to IEC 61000-4-4		2 kV
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV
Electrostatic discharge acc. to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling acc. to IEC 61000-4-3		10 V/m
Insulation voltage for overvoltage category III	V	690
according to IEC 60664 with degree of pollution 3		
Rated value		
Ambient temperature	°C	-25 +60
during operation		
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 		Yes
Mechanical service life (switching cycles) typical		10 000 000
Electrical endurance (switching cycles) at AC-15 at 230 V typical		100 000
Operating frequency with 3RT2 contactor maximum	1/h	5 000
Mechanical data:		

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Width	mm	22.5
Height	mm	92
Depth	mm	91
mounting position		any
Required spacing for grounded parts		
● forwards	mm	0
Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Required spacing with side-by-side mounting	_	
• forwards	mm	0
Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Required spacing for live parts	-	
• forwards	mm	0
Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
Mounting type	-	snap-on mounting
Product function removable terminal for auxiliary and control circuit	-	Yes
Type of electrical connection	-	screw-type terminals
Type of connectable conductor cross-section		
• solid		1x (0.5 4 mm2), 2x (0.5 2.5 mm2)
 finely stranded 		
— with core end processing		1x (0.5 2.5 mm2), 2x (0.5 1.5 mm2)
• 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 CO contacts 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 switching element with contacts maximum	A	5

Certificates/ approvals:

General Proc	duct Approval	EMC	Test Certificates	
	EAC	Стіск	<u>Type Test</u> Certificates/Test <u>Report</u>	Special Test Certificate

Shipping Ap	proval		other		
ĴÅ DNV	GL	Lloyd's Register	other	Declaration of Conformity	
DNV	GL	LRS			

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

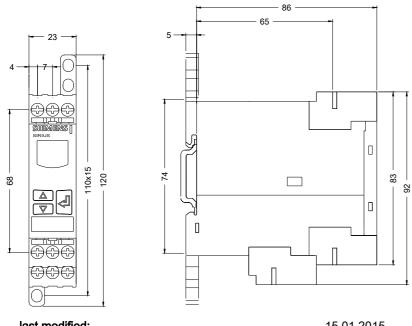
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG46321AW30

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3UG46321AW30

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG46321AW30&lang=en



last modified:

15.01.2015