SIEMENS

Data sheet 3UG4622-1AW30



Digital monitoring relay Current monitoring, 22.5 mm from 0.05-10 A AC/DC Overshoot and undershoot 24 to 240 V AC/DC 50 to 60 Hz DC and AC ON delay and noise pulses delay 0.1 to 20 s Hysteresis 0.01 to 5 A 1 changeover contact with or without fault buffer screw terminal Successor product for 3UG3522-1AL20, 3UG3522-1AG20 and 3UG3522-1AC48-0AA1

product brand name product designation

SIRIUS

Current monitoring relay with digital setting

product type designation	3UG4
General technical data	
product function	Current monitoring relay
design of the display	LCD
insulation voltage for overvoltage category III according to IEC 60664	
 with degree of pollution 3 rated value 	690 V
degree of pollution	3
surge voltage resistance rated value	4 kV
maximum permissible voltage for safe isolation	
 between auxiliary and auxiliary circuit 	300 V
 between control and auxiliary circuit 	300 V
protection class IP	IP20
shock resistance according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance according to IEC 60068-2-6	1 6 Hz: 15 mm, 6 500 Hz: 2g
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
thermal current of the switching element with contacts maximum	5 A
reference code according to IEC 81346-2	K
relative repeat accuracy	1 %
Substance Prohibitance (Date)	05/01/2012
Product Function	
product function	
	X /

 overcurrent detection 1 phase overcurrent detection 3 phase undercurrent detection 1 phase undercurrent detection 3 phases overcurrent detection DC undercurrent detection DC undercurrent detection DC undercurrent detection DC ves current window recognition DC Yes
 undercurrent detection 1 phase undercurrent detection 3 phases overcurrent detection DC undercurrent detection DC yes undercurrent detection DC
 undercurrent detection 3 phases overcurrent detection DC undercurrent detection DC Yes Yes
 overcurrent detection DC undercurrent detection DC Yes
• undercurrent detection DC Yes
• current window recognition DC Yes
voltage window recognition 1 phase No
• voltage window recognition 3 phase No
adjustable open/closed-circuit current principle Yes
• external reset Yes
• auto-RESET Yes

Supply voltage

type of voltage of the supply voltage supply voltage 1 at AC

AC/DC

### 160 Hz supply voltage 1 at DC Vise Current for monitoring ACIDC	a at 50 Hz	20.4 264.1/
Supply voltage 1 at DC	• at 50 Hz	20.4 264 V
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ype of current for monitoring measurable current		20.4 204 V
measurable current measurable inter frequency adjustable current response value current 1		ACIDO
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and control circuit type of electrical connection • for main current circuit screw-type terminals		
type of electrical connection ● for main current circuit screw-type terminals		Yes
• for main current circuit screw-type terminals		
31		
- for a william and control circuit	for main current circuit	
• for auxiliary and control circuit screw-type terminals	- for a williams andtu-1 -tutt	• •

type of connectable conductor cross-sections 1x (0.5 ... 4.0 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) • at AWG cables solid 2x (20 ... 14) at AWG cables stranded 2x (20 ... 14) connectable conductor cross-section solid 0.5 ... 4 mm² • finely stranded with core end processing 0.5 ... 2.5 mm² AWG number as coded connectable conductor cross section 20 ... 14 solid • stranded 20 ... 14 tightening torque with screw-type terminals 0.8 ... 1.2 N·m Installation/ mounting/ dimensions mounting position any fastening method snap-on mounting height 92 mm width 22.5 mm depth 91 mm required spacing • with side-by-side mounting - forwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm - at the side 0 mm • for grounded parts - forwards 0 mm - backwards 0 mm — upwards 0 mm - at the side 0 mm - downwards 0 mm • for live parts 0 mm forwards - backwards 0 mm - upwards 0 mm - downwards 0 mm - at the side 0 mm

installation altitude at height above sea level maximum ambient temperature

2 000 m

during operationduring storage

-25 ... +60 °C -40 ... +85 °C -40 ... +85 °C

during transport
 Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity

Confirmation











Declaration of Conformity

Test Certificates

Marine / Shipping

other

UK CA Type Test Certificates/Test Report

Special Test Certificate





Confirmation

Railway

Vibration and Shock

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3UG4622-1AW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4622-1AW30

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

https://support.industry.siemens.com/cs/ww/en/ps/3UG4622-1AW30

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG4622-1AW30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3UG4622-1AW30/manual

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