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	
 overcurrent detection 1 phase 	Yes
a gyargurrant dataction 2 phage	No

roduct Function	
product function	
 overcurrent detection 1 phase 	Yes
 overcurrent detection 3 phase 	No
 undercurrent detection 1 phase 	Yes
 undercurrent detection 3 phases 	No
 overcurrent 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	AC/DC
supply voltage 1 at AC	

■ 15 0 142		22.4
supply voltage 1 at DC Vype of current for monitoring measurable current 10.05 15 A 10.05 10 A 10.05.	• at 50 Hz	20.4 264 V
Westuring circuit Type of current for monitoring measurable urrent measurable interfrequency adjustable current response value current 1		
Type of current for monitoring measurable current measurable inter frequency adjustable current adjustable current response value current adjustable current response value current a 0.55 10 A 0.50 10 A 0.50.	,	20.4 204 V
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and control circuit type of electrical connection • for main current circuit screw-type terminals		Yes
• for main current circuit screw-type terminals		Yes
	type of electrical connection	
for auxiliary and control circuit screw-type terminals		
	 for auxiliary and control circuit 	screw-type terminals

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 2 000 m

ambient temperature

-25 ... +60 °C • during operation • during storage · during transport -40 ... +85 °C

-40 ... +85 °C

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity

Confirmation











Declaration of Conformity

Test Certificates

Marine / Shipping

other

Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>





Confirmation

Railway

Vibration and Shock

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 on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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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