SIEMENS

Data sheet 3UG4622-2AW30



Digital monitoring relay Current monitoring, 22.5 mm from 0.05-10 A AC/DC 0vershoot 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 change-over contact with or without fault buffer spring-type connection system

Figure similar

product brand nameSIRIUSproduct designationCurrent monitoring relay with digital settingproduct type designation3UG4

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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	

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Substance Prohibitance (Date)	05/01/2012
Product 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 at 60 Hz bit 204 264 V 205 205 V 205		
* at 60 Hz 20 4 284 V 20 4.		
supply voltage 1 at DC Vessoring circuit Type of current for monitoring measurable current 1 0.0515 A 2 0.0510 A 2 0.0510 A 2 0.0510 A 3		
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product component removable terminal for main circuit product component removable terminal for auxiliary and control circuit type of electrical connection Yes Yes	5 1.15	160
product component removable terminal for auxiliary and control circuit type of electrical connection	product component removable terminal for main	Yes
type of electrical connection	product component removable terminal for auxiliary	Yes
•		
	2.	spring-loaded terminals

• for auxiliary and control circuit spring-loaded terminals type of connectable conductor cross-sections 2x (0.25 ... 1.5 mm²) solid • finely stranded with core end processing 2 x (0.25 ... 1.5 mm²) • finely stranded without core end processing 2x (0.25 ... 1.5 mm²) 2x (24 ... 16) • at AWG cables solid at AWG cables stranded 2x (24 ... 16) connectable conductor cross-section solid 0.25 ... 1.5 mm² • finely stranded with core end processing 0.25 ... 1.5 mm² 0.25 ... 1.5 mm² • finely stranded without core end processing AWG number as coded connectable conductor cross section solid 24 ... 16 stranded 24 ... 16 Installation/ mounting/ dimensions mounting position any fastening method snap-on mounting height 94 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 0 mm - upwards - at the side 0 mm downwards 0 mm • for live parts - forwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm - at the side 0 mm **Ambient conditions** 2 000 m installation altitude at height above sea level maximum ambient temperature · during operation -25 ... +60 °C during storage -40 ... +85 °C -40 ... +85 °C during transport Certificates/ approvals **Declaration of General Product Approval EMC** Conformity Confirmation











Declaration of Test Certificates Marine / Shipping other Conformity



Type Test Certificates/Test Report

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





Confirmation

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=3UG4622-2AW30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4622-2AW30

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

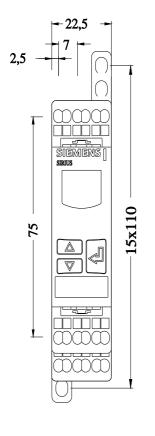
https://support.industry.siemens.com/cs/ww/en/ps/3UG4622-2AW30

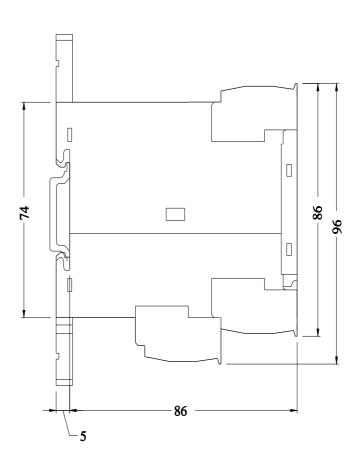
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG4622-2AW30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3UG4622-2AW30/manual





last modified:

12/21/2020