SIEMENS

Data sheet 3UG4622-2AA30



Digital monitoring relay Current monitoring, 22.5 mm from 0.05-10 A AC/DC Overshoot and undershoot Supply voltage: 24 V AC/DC 50 to 60 Hz DC and AC without galvanic isolation to measuring circuit 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 name	SIRIUS		
product designation	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 protective separation			
 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		
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		
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8		
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		

type of voltage of the supply voltage 1 at AC ■ 16 0 Nt 2 rade value 24 V ■ 16 0 Nt 2 rade value 24 rade val	Supply voltage			
Supply voltage 1 at AC		AC/DC		
** at 50 Hz rated value				
# a150 Hz		24 V		
* al 80 Hz rated value 24 V 29 4 26 4				
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between the voltage supply and other circuits No Connections/ Terminals				
Connections/ Terminals	•			
		No		
product component removable terminal for main circuit Yes	Connections/ Terminals			
	product component removable terminal for main circuit	Yes		

product component removable terminal for auxiliary and control circuit	Yes		
type of electrical connection			
for main current circuit	spring-loaded terminals		
for auxiliary and control circuit	spring-loaded terminals		
type of connectable conductor cross-sections			
• solid	2x (0.25 1.5 mm²)		
 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)		
 for AWG cables solid 	2x (24 16)		
• for 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		
 finely stranded without core end processing 	0.25 1.5 mm²		
AWG number as coded connectable conductor cross section			
• solid	24 16		
• stranded	24 16		
stallation/ 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		
— upwards	0 mm		
— at the side	0 mm		
— downwards	0 mm		
• for live parts	· · · · · · · · · · · · · · · · · · ·		
— forwards	0 mm		
— backwards	0 mm		
— upwards	0 mm		
— upwarus — downwards	0 mm		
— at the side	0 mm		
— at the side mbient conditions	UIIIIII		
installation altitude at height above sea level maximum	2 000 m		
ambient temperature	2 000 III		
•	-25 +60 °C		
during operation during storage			
during storage during transport	-40 +85 °C		
during transport provide Contification	-40 +85 °C		
pprovals Certificates			
General Product Approval		EMC	Declaration of Conformity











Declaration of Conformity

Test Certificates

Marine / Shipping

other







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=3UG4622-2AA30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4622-2AA30

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

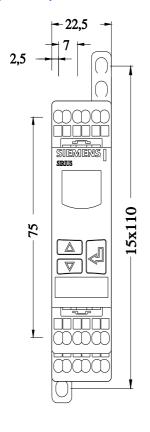
https://support.industry.siemens.com/cs/ww/en/ps/3UG4622-2AA30

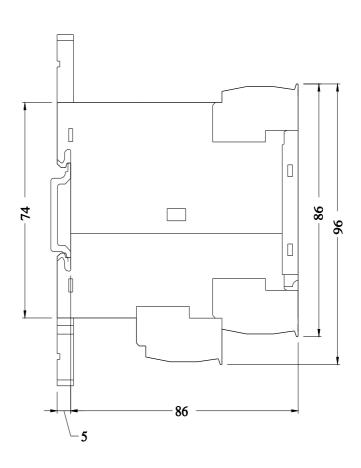
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG4622-2AA30&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3UG4622-2AA30/manual





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