

Digital monitoring relay Current monitoring, 22.5 mm from 0.15 to 2 A AC/DC supply voltage 24 to 240 V AC/DC ON delay 0.1 s OFF delay 2 s Quiescent current principle Hysteresis 0.16 A 1 change-over contact Automatic reset screw terminal

product brand name	SIRIUS
product designation	Current monitoring relay with digital setting
product type designation	3UG4
General technical data	
type of voltage of the operating voltage	AC/DC
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1
Net Weight	0.147 kg
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
Control circuit/ Control	
control supply voltage at AC	
• at 50 Hz rated value	24 ... 240 V
• at 60 Hz rated value	24 ... 240 V
control supply voltage at DC rated value	24 ... 240 V
Supply voltage	
type of voltage of the supply voltage	AC/DC
supply voltage 1 at AC	
• at 50 Hz	20.4 ... 264 V
• at 60 Hz	20.4 ... 264 V
supply voltage 1 at DC	20.4 ... 264 V
Measuring circuit	
type of current for monitoring	AC/DC
adjustable current response value current	
• 1	0.1 ... 10 A
• 2	0.1 ... 10 A
adjustable response delay time	
• when starting	0.1 ... 20 s
• with lower or upper limit violation	0.1 ... 20 s
internal resistance of the measuring circuit	5 mΩ
Auxiliary circuit	
number of NC contacts delayed switching	0
number of NO contacts delayed switching	0
number of CO contacts	
• delayed switching	1
Main circuit	
operating voltage rated value	24 ... 240 V

ampacity of the output relay at AC-15 • at 400 V at 50/60 Hz	3 A
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
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	screw terminal screw-type terminals
Installation/ mounting/ dimensions	
height	92 mm
width	22.5 mm
depth	91 mm
Environmental footprint	
Environmental Product Declaration (EPD)	Yes
global warming potential [CO2 eq] total	17.1 kg
global warming potential [CO2 eq] during manufacturing	4.44 kg
global warming potential [CO2 eq] during operation	13.7 kg
global warming potential [CO2 eq] after end of life	-1.06 kg
Approvals Certificates	
General Product Approval	EMV



EMV	Maritime application	other	Environment
		Confirmation	
			Environmental Confirmations

Further information

- Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- 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=3UG4622-1AW38-0AA5-Z X95>
- Cax online generator
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4622-1AW38-0AA5-Z X95>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3UG4622-1AW38-0AA5-Z X95>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG4622-1AW38-0AA5-Z X95&lang=en

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