

voltage reducer module for insulation monitoring relay 3UG4583 for expanding the supply voltage range to 690 V AC and 1000 V DC screw terminal

product brand name	SIRIUS
product designation	Voltage reducer module
product type designation	3UG4
General technical data	
product function	Converter module
type of voltage	
• for monitoring	AC/DC
• of the operating voltage for actuation	AC/DC
• of the control supply voltage	AC/DC
surge voltage resistance rated value	8 000 V
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	05/01/2012
Weight	0.21 kg
Product Function	
product function	
• error memory	No
• adjustable open/closed-circuit current principle	Yes
• manual RESET	Yes
Measuring circuit	
measurable line frequency	15 ... 400 Hz
measurable voltage at AC	0 ... 690 V
measurable voltage at DC	0 ... 1 000 V
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NC contacts delayed switching	0
number of NO contacts for auxiliary contacts	0
number of NO contacts delayed switching	0
number of CO contacts	
• delayed switching	0
Main circuit	
operating frequency rated value	15 ... 400 Hz
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	No
type of electrical connection	screw terminal
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 4 mm ²), 2x (0.5 ... 2.5 mm ²)

<ul style="list-style-type: none"> finely stranded with core end processing finely stranded without core end processing for AWG cables solid for AWG cables stranded 	<p>1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)</p> <p>1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)</p> <p>1x (20 ... 12), 2x (20 ... 14)</p> <p>1x (18 ... 14), 2x (18 ... 16)</p>
connectable conductor cross-section <ul style="list-style-type: none"> solid finely stranded with core end processing finely stranded without core end processing 	<p>0.5 ... 4 mm²</p> <p>0.5 ... 2.5 mm²</p> <p>0.5 ... 2.5 mm²</p>
AWG number as coded connectable conductor cross section <ul style="list-style-type: none"> solid stranded 	<p>20 ... 12</p> <p>18 ... 14</p>
tightening torque with screw-type terminals	0.6 ... 0.8 N·m

Installation/ mounting/ dimensions

mounting position	any
fastening method	snap-on fastening on 35 mm DIN rail
height	78 mm
width	45 mm
depth	100 mm
required spacing <ul style="list-style-type: none"> with side-by-side mounting <ul style="list-style-type: none"> forwards backwards upwards downwards at the side for grounded parts <ul style="list-style-type: none"> forwards backwards upwards at the side downwards for live parts <ul style="list-style-type: none"> forwards backwards upwards downwards at the side 	<p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p>

Ambient conditions

ambient temperature during operation	-25 ... +60 °C
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Approvals Certificates

General Product Approval	EMV
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[KC](#)

Maritime application	other	Environment
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[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=3UG4983-1AA01>

Cax online generator

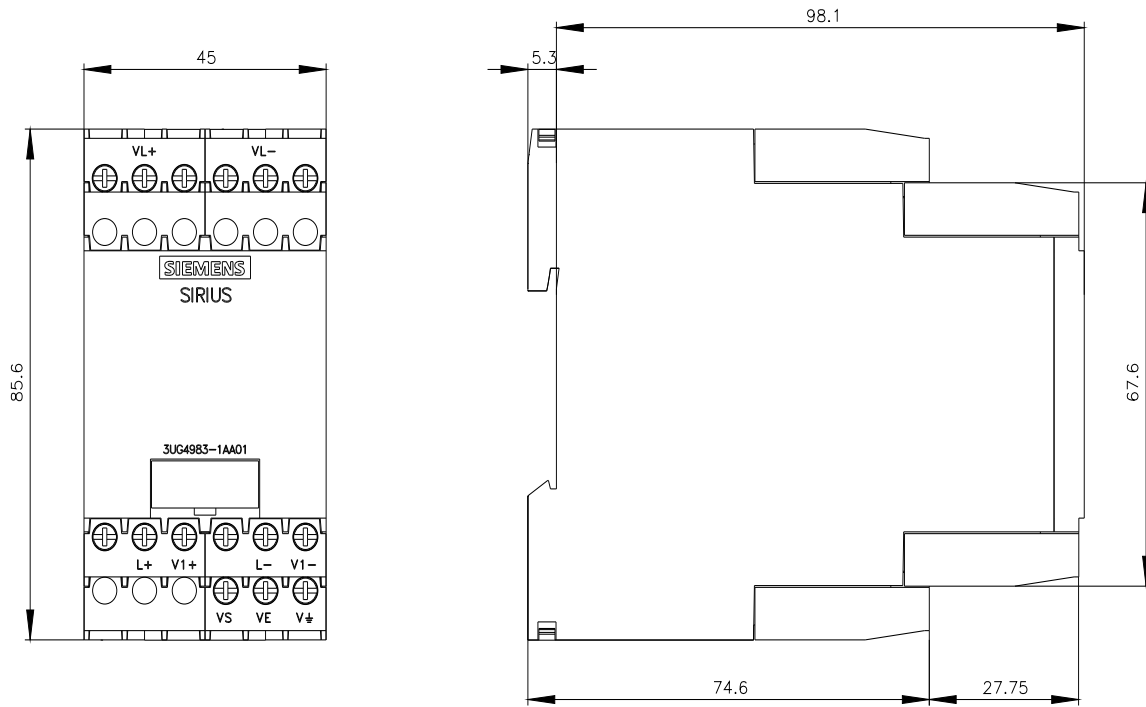
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4983-1AA01>

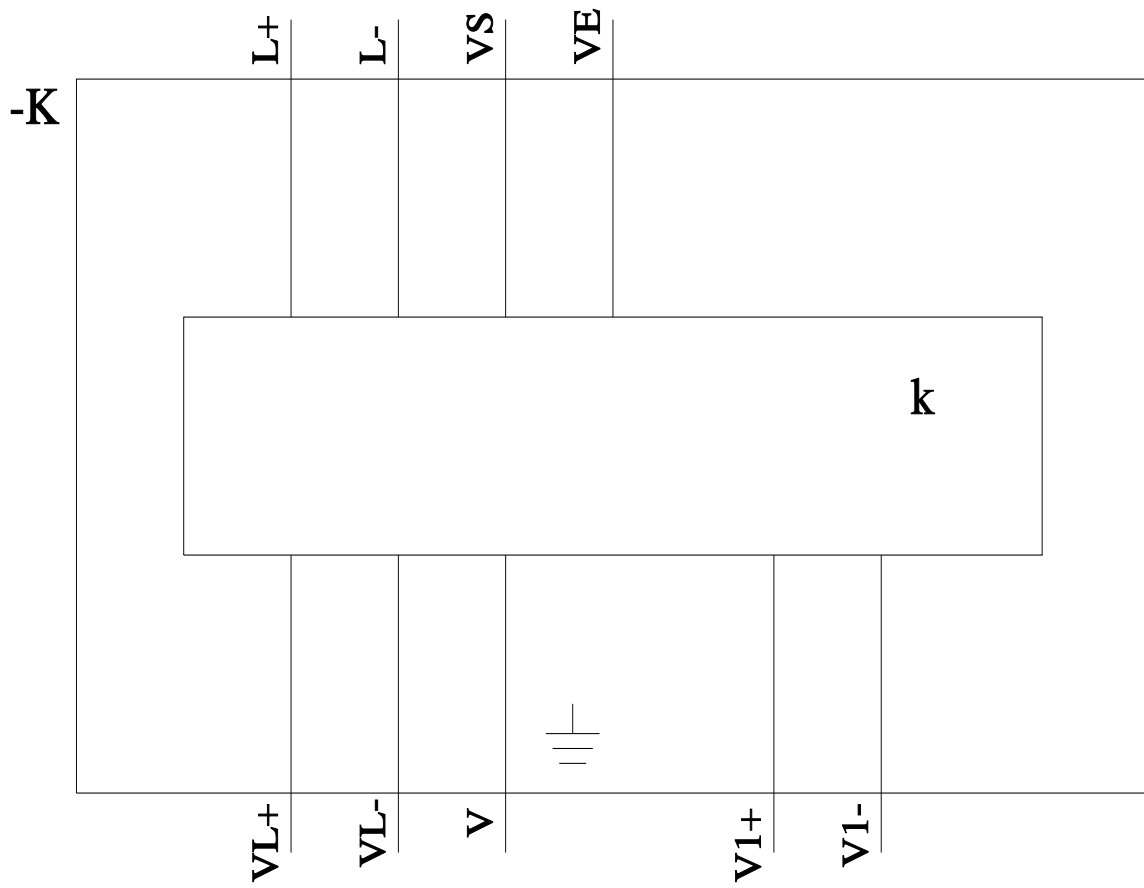
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3UG4983-1AA01>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG4983-1AA01&lang=en





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10/18/2025 