

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

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Voltage reducer module
<b>General technical data</b>	
<b>product function</b>	Converter module
<b>type of voltage</b>	
• for monitoring	AC/DC
• of the operating voltage for actuation	AC/DC
• of the control supply voltage	AC/DC
<b>surge voltage resistance rated value</b>	8 000 V
<b>protection class IP</b>	IP20
<b>reference code according to IEC 81346-2</b>	K
<b>Substance Prohibitance (Date)</b>	05/01/2012
<b>Product Function</b>	
<b>product function</b>	
• adjustable open/closed-circuit current principle	Yes
• manual RESET	Yes
<b>Measuring circuit</b>	
<b>measurable line frequency</b>	15 ... 400 Hz
<b>measurable voltage at AC</b>	0 ... 690 V
<b>Auxiliary circuit</b>	
<b>number of NC contacts for auxiliary contacts</b>	0
number of NC contacts delayed switching	0
<b>number of NO contacts for auxiliary contacts</b>	0
number of NO contacts delayed switching	0
<b>number of CO contacts</b>	
• delayed switching	0
<b>Main circuit</b>	
<b>operating frequency rated value</b>	15 ... 400 Hz
<b>Connections/ Terminals</b>	
<b>product component removable terminal for auxiliary and control circuit</b>	No
<b>type of electrical connection</b>	screw-type terminals
<b>type of connectable conductor cross-sections</b>	
• solid	1x (0.5 ... 4.0 mm <sup>2</sup> ), 2x (0.5 ... 2.5 mm <sup>2</sup> )
• finely stranded with core end processing	1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
• finely stranded without core end processing	1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
• for AWG cables solid	1x (20 ... 12), 2x (20 ... 14)
• for AWG cables stranded	1x (18 ... 14), 2x (18 ... 16)
<b>connectable conductor cross-section</b>	
• solid	0.5 ... 4 mm <sup>2</sup>

<ul style="list-style-type: none"> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> </ul>	0.5 ... 2.5 mm <sup>2</sup>
<b>AWG number as coded connectable conductor cross section</b>	
<ul style="list-style-type: none"> <li>solid</li> <li>stranded</li> </ul>	20 ... 12 18 ... 14
tightening torque with screw-type terminals	0.6 ... 0.8 N·m

#### Installation/ mounting/ dimensions

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

#### Ambient conditions

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

##### General Product Approval



[Confirmation](#)



EMV	Marine / Shipping	other
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[Confirmation](#)

#### 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=3UG4983-1AA01>

Cax online generator

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

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

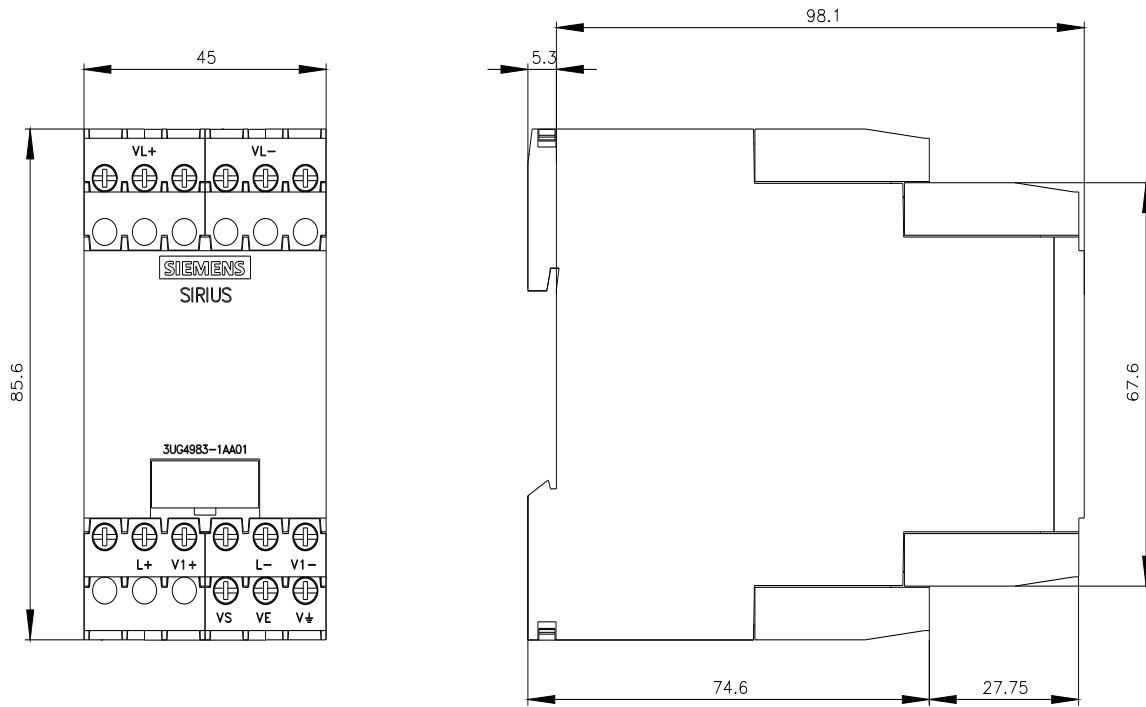
<https://support.industry.siemens.com/cs/ww/en/ps/3UG4983-1AA01>

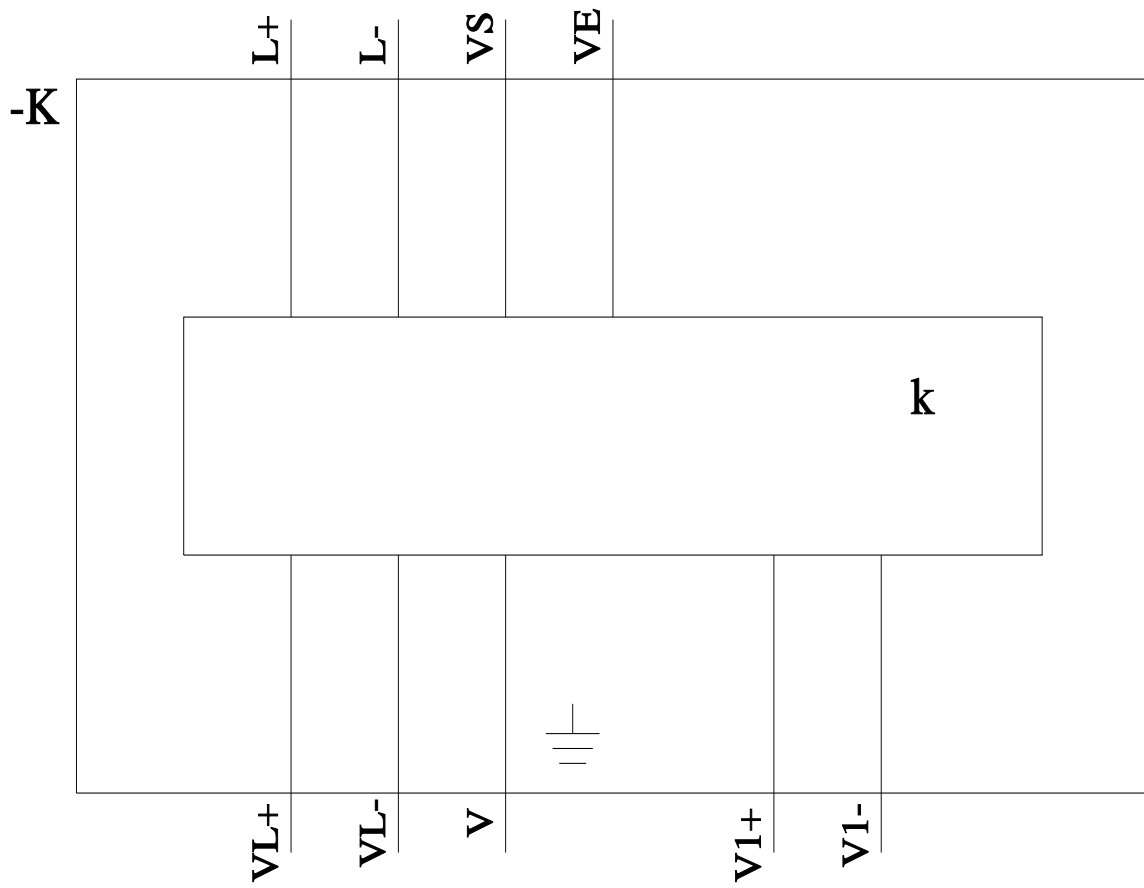
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3UG4983-1AA01&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG4983-1AA01&lang=en)

Characteristic: Derating

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





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