



INTERFACE CONVERTER UC 24-240 V,  
3 WAY SEPARATION ON: 16 SIGNALS OFF: 0 TO 10 V;  
0/4 TO 20 MA SCREW CONNECTION

**General technical details:**

product brand name	SIRIUS	
product designation	universal converter	
Design of the base unit	switchable, active	
Number of channels	1	
Ambient temperature		
• during operating	°C	-25 ... +60
• during transport	°C	-40 ... +85
• during storage	°C	-40 ... +85
Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 2 / rated value	V	300
Recorded real power	W	0.75
Protection class IP	IP20	
Resistance against vibration / according to IEC 60068-2-6	10 ... 55 Hz: 0.35 mm	
Resistance against shock / according to IEC 60068-2-27	15g / 11 ms	
Item designation / according to DIN EN 61346-2	K	
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750	K	

**Connections:**

Design of the electrical connection	screw-type terminals
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<b>Tightening torque</b>		
• with screw-type terminals	N·m	0.4 ... 0.5
<b>Type of the connectable conductor cross-section</b>		
• solid		1x (0.5 ... 2.5 mm <sup>2</sup> )
• finely stranded / with wire end processing		2x (0.5 ... 2.5 mm <sup>2</sup> )
• for AWG conductors		
• stranded		2x (20 ... 16)

### Galvanic isolation:

<b>Design of the electrical isolation</b>		3 paths
<b>Galvanic isolation</b>		
• between entrance and outlet		Yes
• between the voltage supply and other circuits		Yes

### Supply voltage:

<b>type of voltage</b>		AC/DC
<b>Supply voltage frequency</b>		
• rated value	Hz	50 ... 60
<b>Supply voltage</b>		
• at 50 Hz / for AC		
• rated value	V	24 ... 240
• at 60 Hz / for AC		
• rated value	V	24 ... 240
• for DC		
• rated value	V	24 ... 240
<b>Working range factor supply voltage rated value</b>		
• at 50 Hz / for AC		0.8 ... 1.1
• at 60 Hz / for AC		0.8 ... 1.1
• for DC		0.7 ... 1.1

### Inputs:

<b>Limit frequency</b>	Hz	30
<b>Input voltage / maximum</b>	V	30
<b>Input voltage / typical</b>	V	24

### Outputs:

<b>Burden / at the current output / maximum</b>	Ω	400
<b>Burden / at the voltage output / maximum</b>	kΩ	1
<b>Characteristic feature of the output / short-circuit protected</b>		Yes
<b>Overvoltage strength / at the current output / maximum</b>	V	30
<b>Type of signal</b>		

• secondary side	0 ... 10 V, 0 ... 20 mA, 4 ... 20 mA
• at the input	0 ... 60 mV, 0 ... 100 mV, 0 ... 300 mV, 0 ... 500 mV, 0 ... 1 V, 0 ... 2 V, 0 ... 5 V, 0 ... 10 V, 0 ... 20 V, 2 ... 10 V, 0 ... 5 mA, 0 ... 10 mA, 0 ... 20 mA, 4 ... 20 mA, +/-5 mA, +/-20 mA

#### Precision:

Relative metering precision	%	0.1
Relative linearity deviation	%	0.02
Temperature drift per °C	%/°C	0.015
Rise time	ms	10
Settling time / for 1 % conformity error	ms	30
Ripple of voltage / maximum	mV	5

#### Installation/mounting/dimensions:

Type of mounting		snap-on mounting on 35 mm DIN rail according to DIN EN 50022
mounting position		any
Height	mm	79
Width	mm	17.5
Depth	mm	84

#### Certificates/approvals:

General Product Approval	Test Certificates	other
 GOST	 UL	<a href="#">Special Test Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">Environmental Confirmations</a>

#### Further information:

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

##### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

##### CAx-Online-Generator

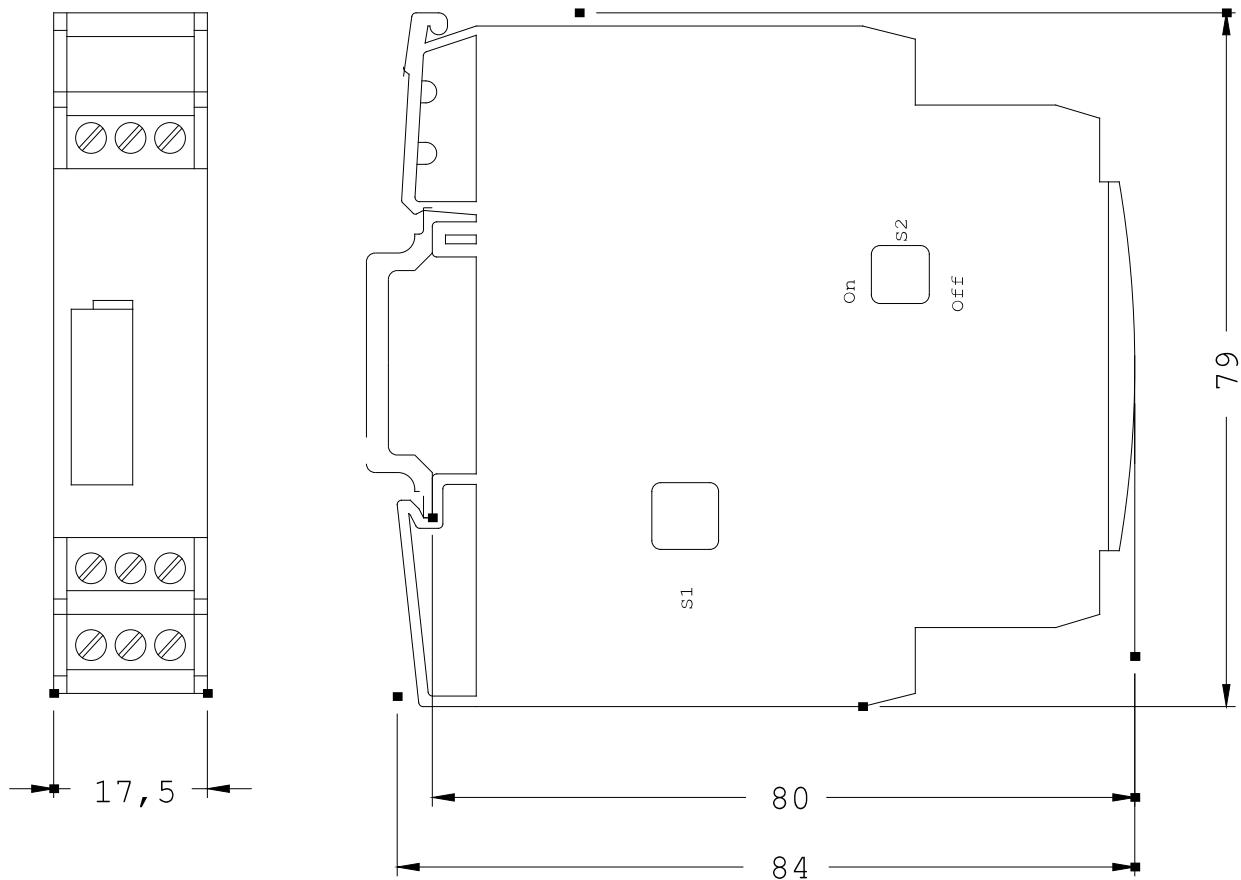
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RS1706-1FW00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RS1706-1FW00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1706-1FW00)



**last change:**

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