



INTERFACE CONVERTER AC/DC 24 V,
2 WAY SEPARATION ON: 4 TO 20 MA OFF: 4 TO 20 MA
SCREW CONNECTION

General technical details:

product brand name		SIRIUS
product designation		single interface converter
Design of the base unit		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	50
Recorded real power	W	0.3
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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Tightening torque		
• with screw-type terminals	N·m	0.5 ... 0.8
Type of the connectable conductor cross-section		
• solid		1x (0.5 ... 2.5 mm²)
• finely stranded / with wire end processing		2x (0.5 ... 1.5 mm²)
• for AWG conductors		
• stranded		1x (20 ... 14)

Galvanic isolation:

Design of the electrical isolation		2 paths
Galvanic isolation		
• between entrance and outlet		Yes
• between the voltage supply and other circuits		No

Supply voltage:

type of voltage		AC/DC
Supply voltage frequency		
• rated value	Hz	50 ... 60
Supply voltage		
• at 50 Hz / for AC		
• rated value	V	24 ... 24
• at 60 Hz / for AC		
• rated value	V	24 ... 24
• for DC		
• rated value	V	24 ... 24
Working range factor supply voltage rated value		
• at 50 Hz / for AC		0.8 ... 1.2
• at 60 Hz / for AC		0.8 ... 1.2
• for DC		0.7 ... 1.25

Inputs:

Limit frequency	Hz	30
Input voltage / maximum	V	30
Input voltage / typical	V	24

Outputs:

Burden / at the current output / maximum	Ω	400
Characteristic feature of the output / short-circuit protected		Yes
Overvoltage strength / at the current output / maximum	V	30
Type of signal		
• secondary side		4 ... 20 mA

• at the input

4 ... 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	6.2
Depth	mm	84

Certificates/approvals:

General Product Approval

Test Certificates

other



[Special Test Certificate](#)

[Declaration of Conformity](#)

[Environmental Confirmations](#)

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

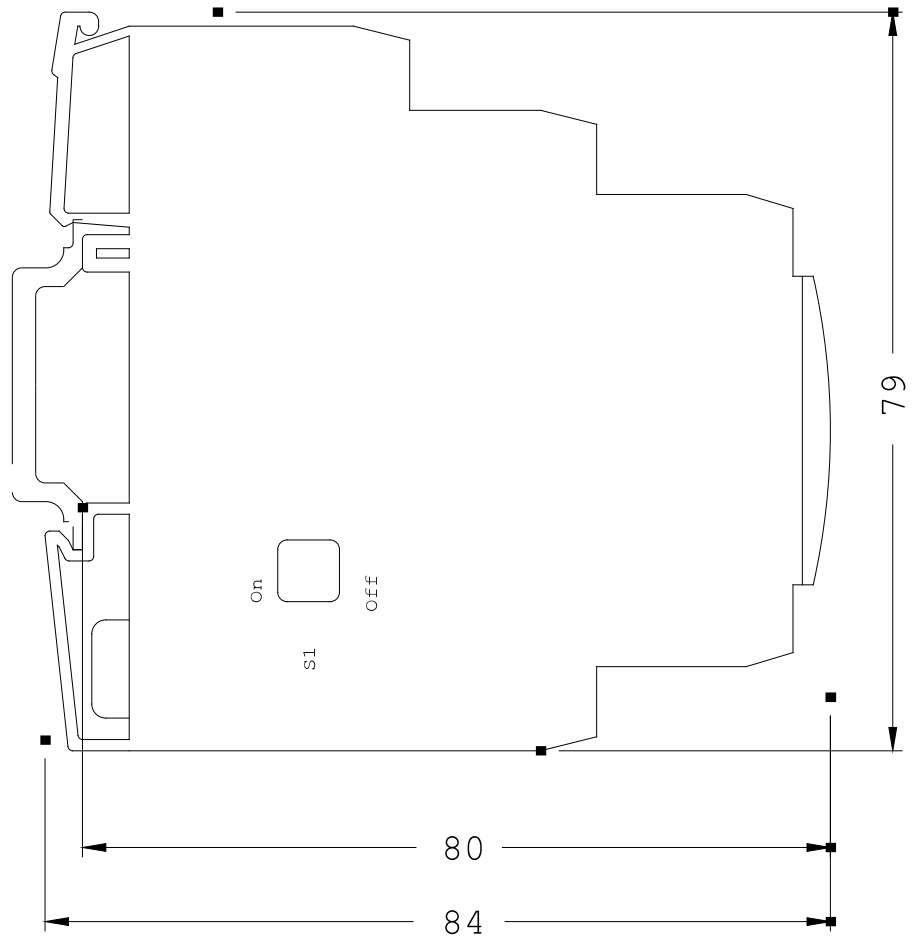
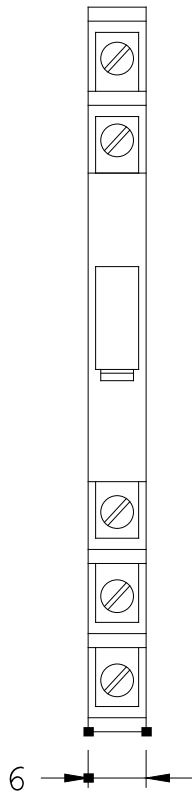
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RS1703-1DD00/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1703-1DD00



last change:

Mar 11, 2013