



INTERFACE CONVERTER PASSIVE SEPARATORS,  
1-CHANNEL ON: 0/4 TO 20 MA OFF: 0/4 TO 20 MA WIDTH  
6.2 MM SCREW CONNECTION

### General technical details:

<b>product brand name</b>		SIRIUS
<b>Product designation</b>		single interface converter
<b>Design of the base unit</b>		passive
<b>Number of channels</b>		1
<b>Ambient temperature</b>		
• during operating	°C	-25 ... +60
• during transport	°C	-40 ... +85
• during storage	°C	-40 ... +85
<b>Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 2 / rated value</b>	V	50
<b>Protection class IP</b>		IP20
<b>Resistance against vibration / according to IEC 60068-2-6</b>		10 ... 55 Hz: 0.35 mm
<b>Shock resistance / according to IEC 60068-2-27</b>		15g / 11 ms
<b>Reference code / according to DIN EN 61346-2</b>		K
<b>Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</b>		K

### Connections:

<b>Design of the electrical connection</b>		screw-type terminals
<b>Tightening torque</b>		

<ul style="list-style-type: none"> <li>with screw-type terminals</li> </ul>	N·m	0.4 ... 0.5
<b>Type of the connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>solid</li> <li>finely stranded / with wire end processing</li> <li>for AWG conductors <ul style="list-style-type: none"> <li>stranded</li> </ul> </li> </ul>		1x (0.5 ... 2.5 mm <sup>2</sup> ) 2x (0.5 ... 2.5 mm <sup>2</sup> )  2x (20 ... 16)

#### Galvanic isolation:

<b>Design of the electrical isolation</b>		2 paths
<b>Galvanic isolation</b> <ul style="list-style-type: none"> <li>between entrance and outlet</li> </ul>		Yes

#### Inputs:

<b>Voltage drop / at operating resource</b>	V	2.7
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#### Outputs:

<b>Burden / at the current output / maximum</b>	Ω	400
<b>Effect of the load on the measuring range</b>		0.06 %/100 Ω
<b>Characteristic feature of the output / short-circuit protected</b>		Yes
<b>Type of signal</b> <ul style="list-style-type: none"> <li>secondary side</li> <li>at the input</li> </ul>		0/4 ... 20 mA 0/4 ... 20 mA

#### Precision:

<b>Relative metering precision</b>	%	0.1
<b>Relative linearity deviation</b>	%	0.02
<b>Temperature drift per °C</b>	%/°C	0.01
<b>Ripple of voltage / maximum</b>	mV	5
<b>relative load error</b>	%/Ω	0.06

#### Installation/mounting/dimensions:

<b>Mounting type</b>		snap-on mounting on 35 mm DIN rail according to DIN EN 50022
<b>mounting position</b>		any
<b>Height</b>	mm	79
<b>Width</b>	mm	6.2
<b>Depth</b>	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

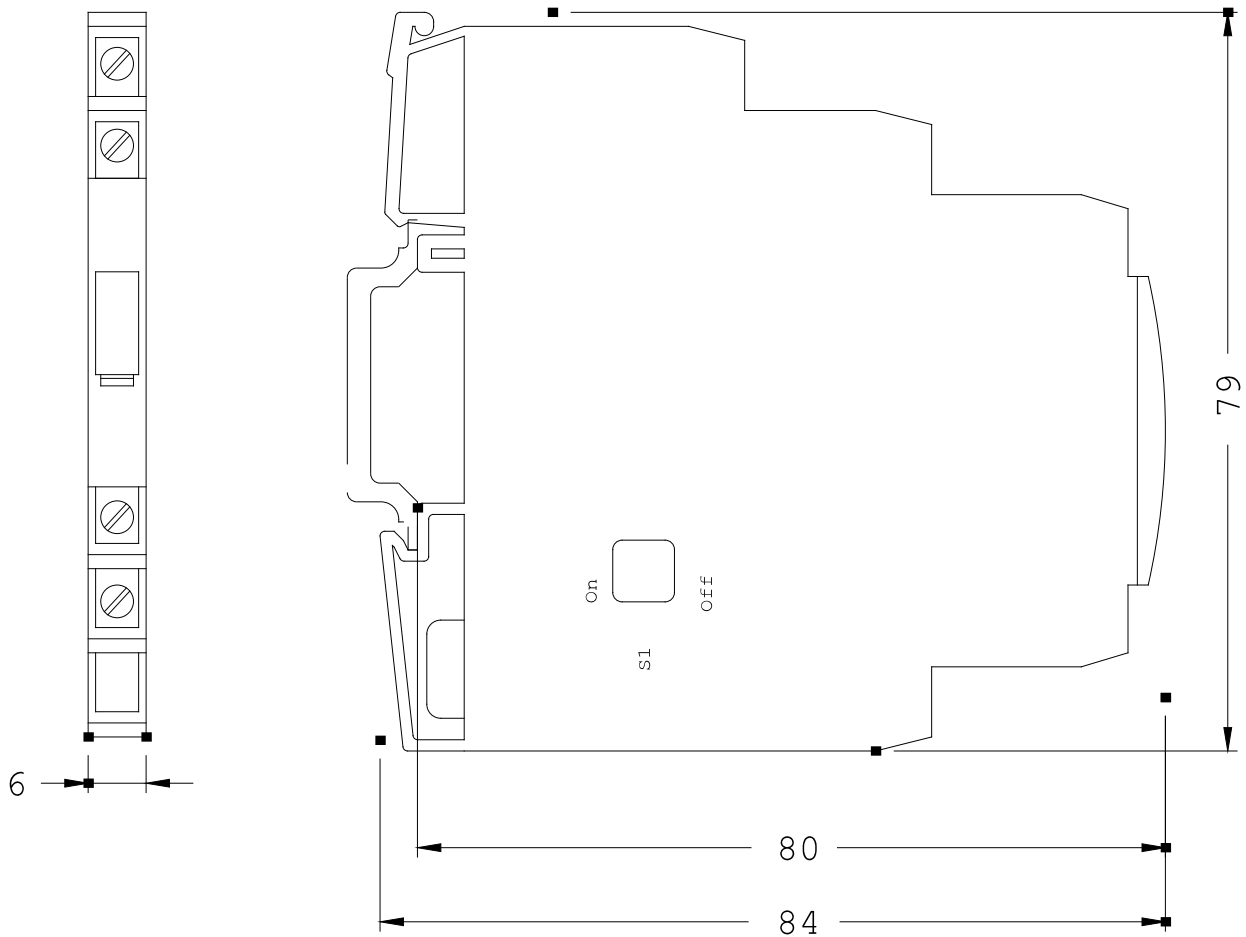
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RS1720-1ET00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RS1720-1ET00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1720-1ET00)





last change:

Jul 28, 2014