



INTERFACE CONVERTER PASSIVE SEPARATOR,
1-CHANNEL ON: 0/4 TO 20 MA OFF: 0/4 TO 20 MA
SCREW CONNECTION

General technical details:

product brand name		SIRIUS
Product designation		single interface converter
Design of the base unit		passive
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
Protection class IP		IP20
Resistance against vibration / according to IEC 60068-2-6		10 ... 55 Hz: 0.35 mm
Shock resistance / according to IEC 60068-2-27		15g / 11 ms
Reference code / according to DIN EN 61346-2		K
Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		K

Connections:

Design of the electrical connection		screw-type terminals
Tightening torque		

• with screw-type terminals	N·m	0.4 ... 0.5
Type of the connectable conductor cross-sections		
• solid		1x (0.5 ... 2.5 mm ²)
• finely stranded / with wire end processing		2x (0.5 ... 2.5 mm ²)
• for AWG conductors		
• stranded		2x (20 ... 16)

Galvanic isolation:		
Design of the electrical isolation		2 paths
Galvanic isolation		
• between entrance and outlet		Yes

Inputs:		
Voltage drop / at operating resource	V	2.7

Outputs:		
Burden / at the current output / maximum	kΩ	1
Effect of the load on the measuring range		0.06 %/100 Ω
Characteristic feature of the output / short-circuit protected		Yes
Type of signal		
• secondary side		0/4 ... 20 mA
• at the input		0/4 ... 20 mA

Precision:		
Relative metering precision	%	0.1
Relative linearity deviation	%	0.02
Temperature drift per °C	%/°C	0.0175
Ripple of voltage / maximum	mV	5
relative load error	%/Ω	0.06

Installation/mounting/dimensions:		
Mounting type		snap-on mounting on 35 mm DIN rail according to DIN EN 50022
mounting position		any
Height	mm	79
Width	mm	12.5
Depth	mm	84

Certificates/approvals:		
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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

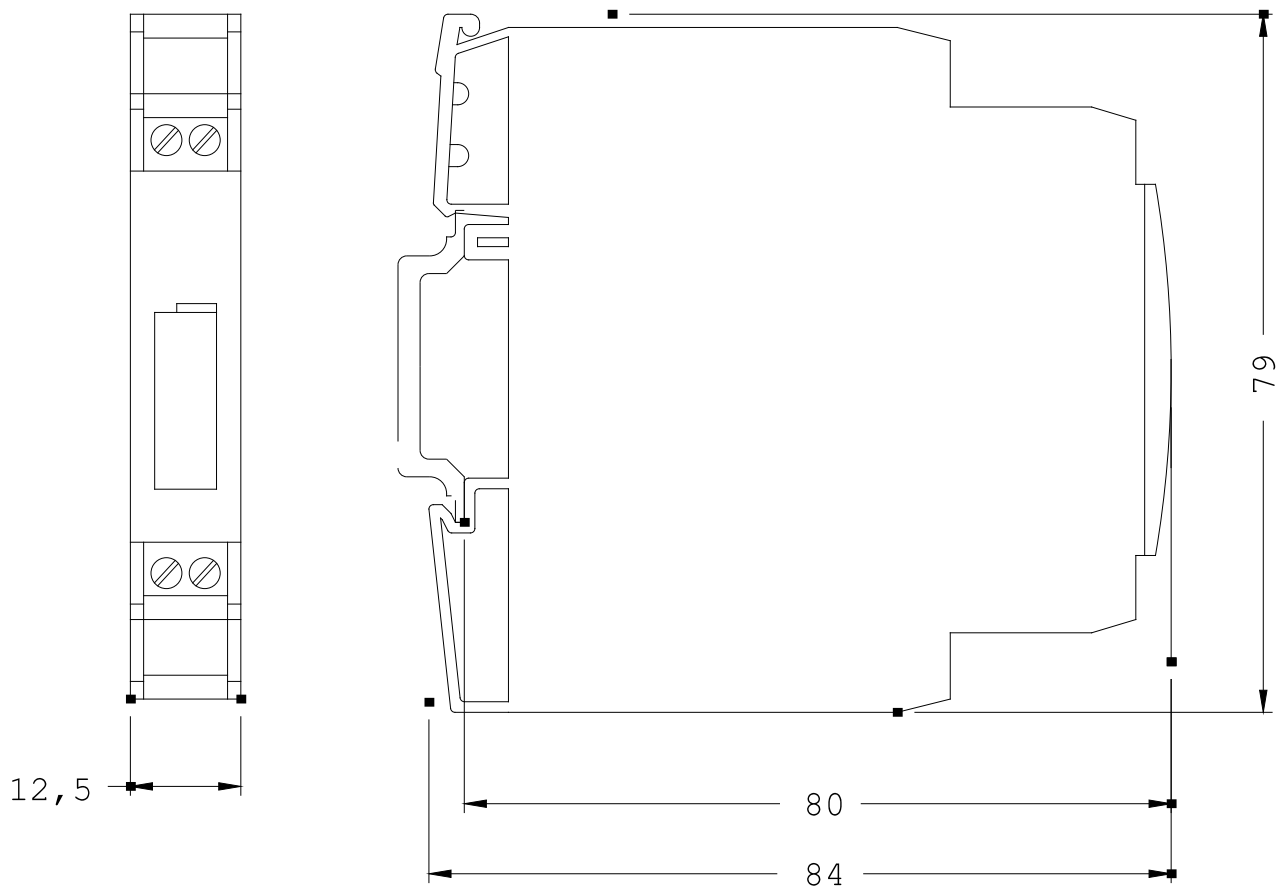
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RS1721-1ET00/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1721-1ET00





last change:

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