

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



Figure similar

General technical data:		
product brand name		SIRIUS
Product designation		single interface converter
Design of the base unit		active
Number of channels		1
Ambient temperature		
• during operation	°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	V	50
Rated value		
Active power consumption	W	0.3
Protection class IP		IP20
Vibration resistance acc. to IEC 60068-2-6		10 ... 55 Hz: 0.35 mm
Shock resistance acc. to IEC 60068-2-27		15g / 11 ms
Equipment marking acc. to DIN EN 61346-2		K
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		K

Connections/ Terminals:		
Type of electrical connection		screw-type terminals
Tightening torque with screw-type terminals	N·m	0.5 ... 0.8
Type of connectable conductor cross-section		
<ul style="list-style-type: none"> • solid • finely stranded with core end processing • for AWG conductors <ul style="list-style-type: none"> — stranded 		1x (0.5 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²) 1x (20 ... 14)

Galvanic isolation:		
Design of the electrical isolation		2 paths
Galvanic isolation		
<ul style="list-style-type: none"> • between entrance and outlet • between the voltage supply and other circuits 		Yes No

Supply voltage:		
Type of voltage		AC/DC
Supply voltage frequency Rated value	Hz	50 ... 60
Supply voltage		
<ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — at 50 Hz Rated value — at 60 Hz Rated value • at DC Rated value 	V V V	24 ... 24 24 ... 24 24 ... 24
Operating range factor supply voltage rated value		
<ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — at 50 Hz — at 60 Hz • at DC 		0.8 ... 1.2 0.8 ... 1.2 0.7 ... 1.25

Inputs:		
Limit frequency	Hz	30
Input voltage maximum	V	30
Input voltage typical	V	24

Outputs:		
Load at the current output maximum	Ω	400
Property of the output Short-circuit proof		Yes
Overvoltage strength at the current output maximum	V	30
Type of signal		
<ul style="list-style-type: none"> • at output • at input 		4 ... 20 mA 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 % deviation	ms	30
Voltage ripple maximum	mV	5

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	6.2
Depth	mm	84

Certificates/ approvals:

General Product Approval	Declaration of Conformity	Test Certificates	other
--------------------------	---------------------------	-------------------	-------



[spezielle Prüfbescheinigungen](#)
[n](#)

[Umweltbestätigung](#)

Further information

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

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

Industry Mall (Online ordering system)

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

Cax online generator

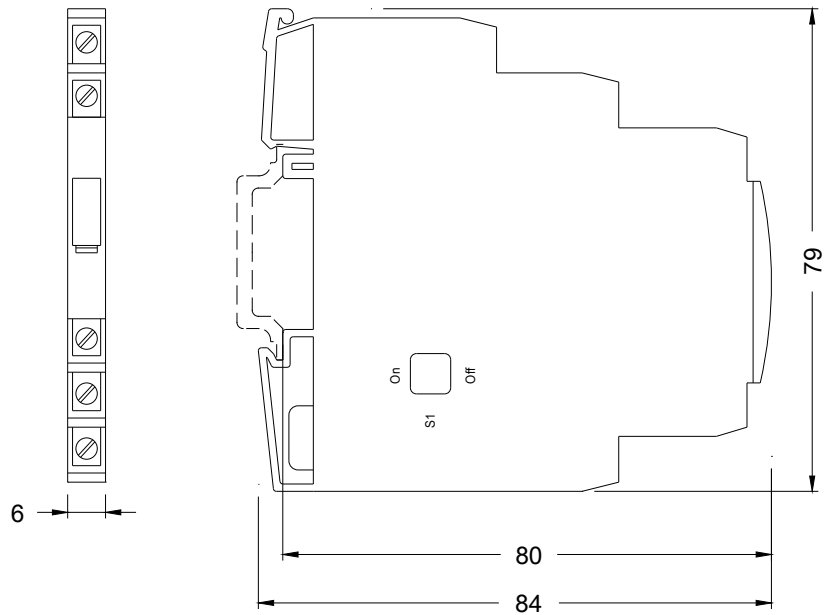
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS17031DD00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RS17031DD00>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS17031DD00&lang=en



last modified:

17.07.2015