SIEMENS

Data sheet 3RS1700-2AD00

INTERFACE CONVERTER !!! PHASE-OUT PRODUCT !!! FOR FURTHER INFORMATION PLEASE CONTACT OUR SALES STAFF! AC/DC 24 V, 2 WAY SEPARATION ON: 0 TO 10 V OFF: 0 TO 10 V CAGE CLAMP



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 rated value	V	50
Consumed active power	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

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Connections/ Terminals:		
Type of electrical connection		spring-loaded terminals
Type of connectable conductor cross-sections		
• solid		1x (0.5 ... 2.5 mm²)
• finely stranded with core end processing		2x (0.5 ... 2.5 mm²)
• at 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 AC		
— at 50 Hz rated value	V	24 ... 24
— at 60 Hz rated value	V	24 ... 24
• at DC rated value	V	24 ... 24
Operating range factor supply voltage rated value		
• at AC		
— at 50 Hz		0.8 ... 1.2
— at 60 Hz		0.8 ... 1.2
• at DC		0.7 ... 1.25

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

Outputs:		
Load at voltage output maximum	kΩ	1
Property of the output Short-circuit proof		Yes
Overvoltage strength at the current output maximum	V	30
Type of signal		
• at output		0 ... 10 V
• at input		0 ... 10 V

Precision:		
Relative metering precision	%	0.1
Relative linearity deviation	%	0.02
Temperature drift per °C	%/°C	0.015

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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	80
Width	mm	6.2
Depth	mm	84

Certificates/ approvals:

General Product Approval	Declaration of Conformity	Test Certificates	other
EAC UL	CE EG-Konf.	spezielle Prüfbescheinigungen	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=3RS17002AD00

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RS17002AD00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS17002AD00&lang=en

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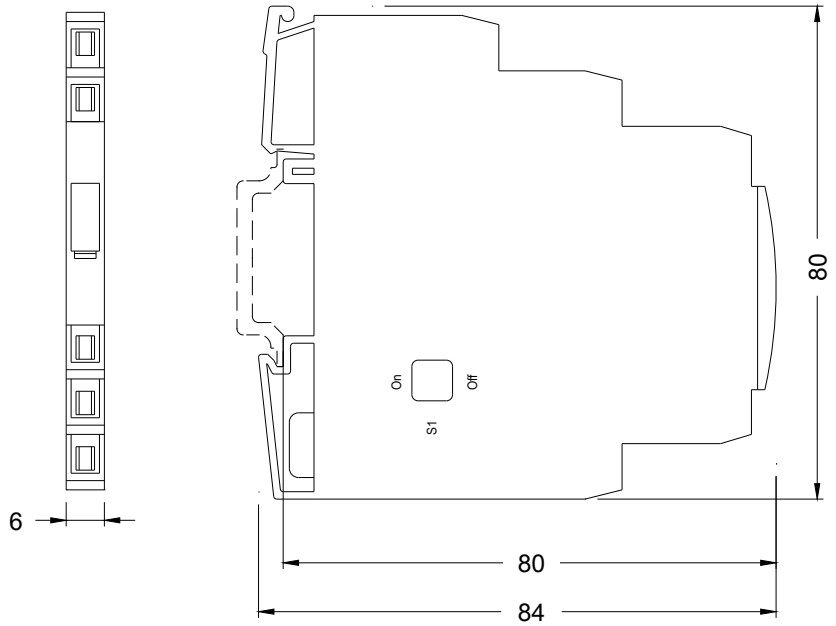

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