



interface converter Phased-out product !!! For further information, please contact our sales department 24-240 V UC, 3-way separation input: 0-60 mV, 0-300 mV 0-500 mV, 0-1/0-2/0-5/0-10 V 0-20 V, 2-10 V, 0-5 mA, 0-10 mA 0-20 mA, 4-20 mA, +/- 5 mA, +/-20 mA output: 0-10 V, 0/4-20 mA screw terminal

product brand name	SIRIUS
product designation	universal converter
General technical data	
design of the base unit	switchable, active
number of channels	1
consumed active power	0.75 W
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 2 rated value	300 V
protection class IP	IP20
shock resistance according to IEC 60068-2-27	15g / 11 ms
vibration resistance according to IEC 60068-2-6	10 ... 55 Hz: 0.35 mm
reference code according to IEC 81346-2	T
Substance Prohibitance (Date)	07/01/2006
Supply voltage	
supply voltage at AC	
• at 50 Hz rated value	24 ... 240 V
• at 60 Hz rated value	24 ... 240 V
supply voltage at DC rated value	24 ... 240 V
supply voltage frequency rated value	60 ... 50 Hz
operating range factor supply voltage rated value	
• at AC at 50 Hz	0.8 ... 1.1
• at AC at 60 Hz	0.8 ... 1.1
• at DC	0.7 ... 1.1
Precision	
relative metering precision	0.1 %
relative linearity deviation	0.02 %
temperature drift per °C	0.015 %/°C
voltage ripple maximum	5 mV
limit frequency	30 Hz
settling time for 1 % deviation	30 ms
rise time	10 ms
Main circuit	
type of voltage	AC/DC
Inputs/ Outputs	
input voltage	30 V
property of the output short-circuit proof	Yes
overvoltage strength at the current output maximum	30 V
type of signal at input	0 ... 60 mV, 0 ... 100 mV, 0 ... 300 mV, 0 ... 500 mV, 0 ... 1 V, 0 ... 2 V, 0 ... 5 V, 0 ... 10 V, 0 ... 20 V, 2 ... 10 V, 0 ... 5 mA, 0 ... 10 mA, 0 ... 20 mA, 4 ... 20 mA, +/-5 mA, +/-20 mA
type of signal at output	0 ... 10 V, 0 ... 20 mA, 4 ... 20 mA

output load		
<ul style="list-style-type: none"> at voltage output maximum at the current output maximum 	<p>1 kΩ</p> <p>400 Ω</p>	
Galvanic isolation		
design of the electrical isolation	3 paths	
galvanic isolation		
<ul style="list-style-type: none"> between input and output between the voltage supply and other circuits 	<p>Yes</p> <p>Yes</p>	
Connections/ Terminals		
type of electrical connection	screw-type terminals	
type of connectable conductor cross-sections		
<ul style="list-style-type: none"> solid finely stranded with core end processing for AWG cables stranded 	<p>1x (0.5 ... 2.5 mm²)</p> <p>2x (0.5 ... 2.5 mm²)</p> <p>2x (20 ... 16)</p>	
connectable conductor cross-section		
<ul style="list-style-type: none"> solid finely stranded with core end processing 	<p>0.5 ... 2.5 mm²</p> <p>0.5 ... 2.5 mm²</p>	
AWG number as coded connectable conductor cross section		
<ul style="list-style-type: none"> solid stranded 	<p>20 ... 14</p> <p>20 ... 16</p>	
tightening torque with screw-type terminals	0.4 ... 0.5 N·m	
Installation/ mounting/ dimensions		
mounting position	any	
fastening method	snap-on mounting on 35 mm DIN rail according to DIN EN 50022	
height	79 mm	
width	17.5 mm	
depth	84 mm	
Ambient conditions		
ambient temperature		
<ul style="list-style-type: none"> during operation during storage during transport 	<p>-25 ... +60 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p>	
Certificates/ approvals		
General Product Approval	Test Certificates	other

[Confirmation](#)



[Type Test Certificates/Test Report](#)

[Confirmation](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RS1706-1FW00>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1706-1FW00>

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

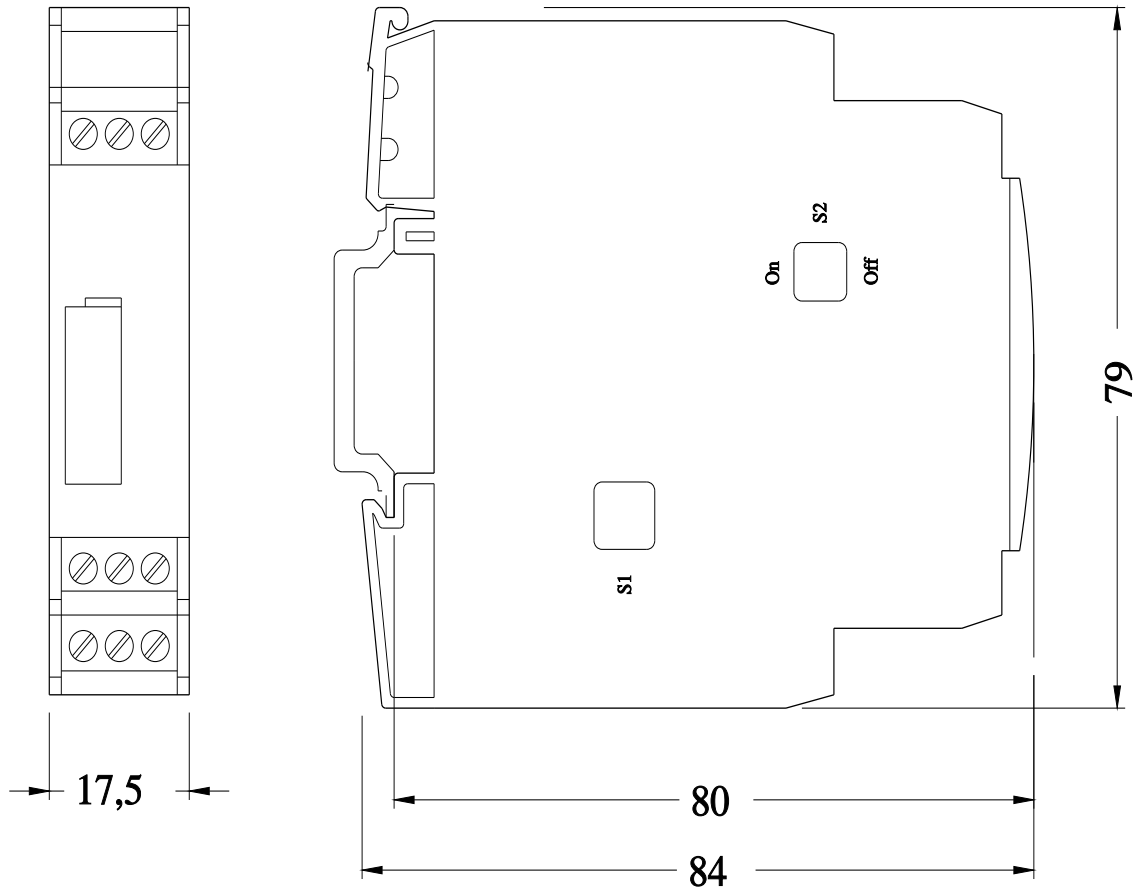
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1706-1FW00>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1706-1FW00&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1706-1FW00/manual>



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