



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
shock resistance according to IEC 60068-2-27	15 g / 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 (day/month/year)	07/01/2006
Net Weight	0.093 kg
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 maximum	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				
at voltage output maximum	1 kΩ			
at the current output maximum	400 Ω			
Galvanic isolation				
design of the electrical isolation	3 paths			
galvanic isolation				
between input and output	Yes			
between the voltage supply and other circuits	Yes			
Connections/ Terminals				
type of electrical connection	screw terminal			
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)			
for AWG cables stranded	2x (20 ... 16)			
connectable conductor cross-section				
solid	0.5 ... 2.5 mm²			
finely stranded with core end processing	0.5 ... 2.5 mm²			
AWG number as coded connectable conductor cross section				
solid	20 ... 14			
stranded	20 ... 16			
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				
during operation	-25 ... +60 °C			
during storage	-40 ... +85 °C			
during transport	-40 ... +85 °C			
Approvals Certificates				
Environment	General Product Approval	EMV	Test Certificates	other

[Environmental Con-
firmations](#)



[Type Test Certific-
ates/Test Report](#)

[Confirmation](#)

other



Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

<https://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>

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