SIEMENS

Data sheet 3RS1706-1FD00



interface converter Phased-out product !!! For further information, please contact our sales department 24 V AC/DC, 2-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	50 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	0.084 kg
Supply voltage	
supply voltage at AC	
● at 50 Hz rated value	24 V
● at 60 Hz rated value	24 V
supply voltage at DC rated value	24 V
supply voltage frequency rated value	60 ... 50 Hz
operating range factor supply voltage rated value	
● at AC at 50 Hz	0.8 ... 1.2
● at AC at 60 Hz	0.8 ... 1.2
● at DC	0.7 ... 1.25
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

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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	2 paths
galvanic isolation	
● between input and output	Yes
● between the voltage supply and other circuits	No
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 Confirmations			Type Test Certificates/Test Report	Confirmation

other

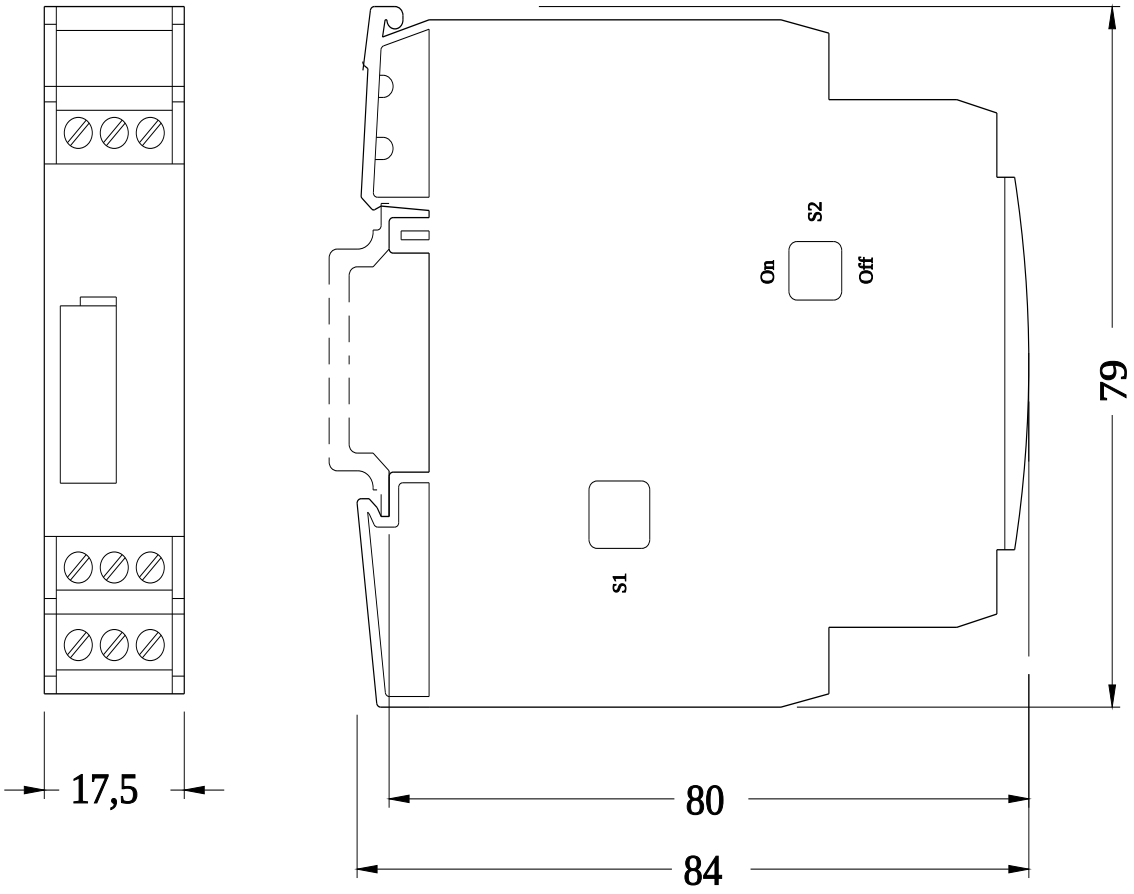
产品合格
QC PASS

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