



INTERFACE CONVERTER AC/DC 24 V,
2 WAY SEPARATION ON: 0 TO 20 MA OFF: 4 TO 20 MA
SCREW CONNECTION

| General technical details: | | |
|---|----|----------------------------|
| product brand name | | SIRIUS |
| product designation | | single interface converter |
| Design of the base unit | | active |
| Number of channels | | 1 |
| Ambient temperature | | |
| • during operating | °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 |
| Recorded real power | W | 0.3 |
| Protection class IP | | IP20 |
| Resistance against vibration / according to IEC 60068-2-6 | | 10 ... 55 Hz: 0.35 mm |
| Resistance against shock / according to IEC 60068-2-27 | | 15g / 11 ms |
| Item designation / according to DIN EN 61346-2 | | K |
| Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 | | K |

| Connections: | | |
|-------------------------------------|--|----------------------|
| Design of the electrical connection | | screw-type terminals |

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

Galvanic isolation:

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

Supply voltage:

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

Inputs:

| | | |
|--------------------------------|----|----|
| Limit frequency | Hz | 30 |
| Input voltage / maximum | V | 30 |
| Input voltage / typical | V | 24 |

Outputs:

| | | |
|---|---|-------------|
| Burden / at the current output / maximum | Ω | 400 |
| Characteristic feature of the output / short-circuit protected | | Yes |
| Overvoltage strength / at the current output / maximum | V | 30 |
| Type of signal | | |
| <ul style="list-style-type: none"> • secondary side | | 4 ... 20 mA |

• at the input

0 ... 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 % conformity error | ms | 30 |
| Ripple of voltage / maximum | mV | 5 |

Installation/mounting/dimensions:

| | | |
|-------------------|----|--|
| Type of mounting | | 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



GOST



UL

Test Certificates

[Special Test Certificate](#)

other

[Declaration of Conformity](#)

[Environmental Confirmations](#)

Further information:

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

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

Industry Mall (Online ordering system)

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

CAX-Online-Generator

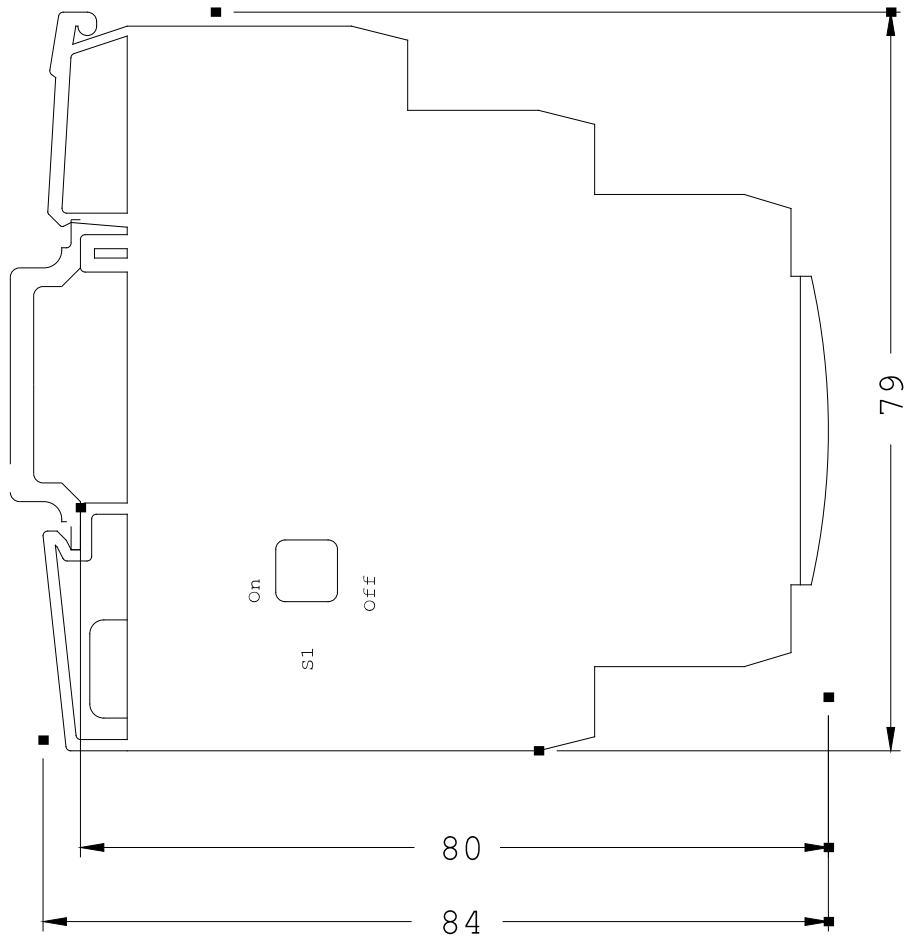
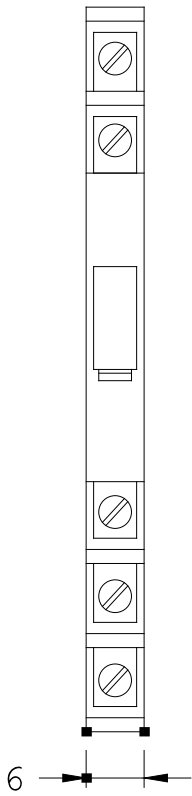
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RS1702-1DD00/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1702-1DD00



last change:

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