



interface converter Phased-out product !!! For further information, please contact our sales department 24 V AC/DC, 2-way separation input: 0-10 V Output: 4-20 mA screw terminal

| | |
|---|----------------------------|
| product brand name | SIRIUS |
| product designation | single interface converter |
| General technical data | |
| design of the base unit | active |
| number of channels | 1 |
| consumed active power | 0.3 W |
| insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 2 rated value | 50 V |
| protection class IP | IP20 |
| shock resistance acc. to IEC 60068-2-27 | 15g / 11 ms |
| vibration resistance acc. to IEC 60068-2-6 | 10 ... 55 Hz: 0.35 mm |
| reference code acc. to IEC 81346-2 | T |
| Substance Prohibitance (Date) | 01.07.2006 00:00:00 |
| 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 | 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 ... 10 V | |
| type of signal at output | | 4 ... 20 mA | |
| Outputs | | | |
| output load | | | |
| • 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-type 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 cables stranded | | 1x (20 ... 14) | |
| 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 ... 14 | |
| tightening torque with screw-type terminals | | 0.5 ... 0.8 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 | | 6.2 mm | |
| depth | | 84 mm | |
| Ambient conditions | | | |
| ambient temperature | | | |
| • during operation | | -25 ... +60 °C | |
| • during storage | | -40 ... +85 °C | |
| • during transport | | -40 ... +85 °C | |
| Certificates/ approvals | | | |
| General Product Approval | | Declaration of Conformity | Test Certificates |
| | | | other |



[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

Further information

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=3RS1700-1DD00>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1700-1DD00>

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

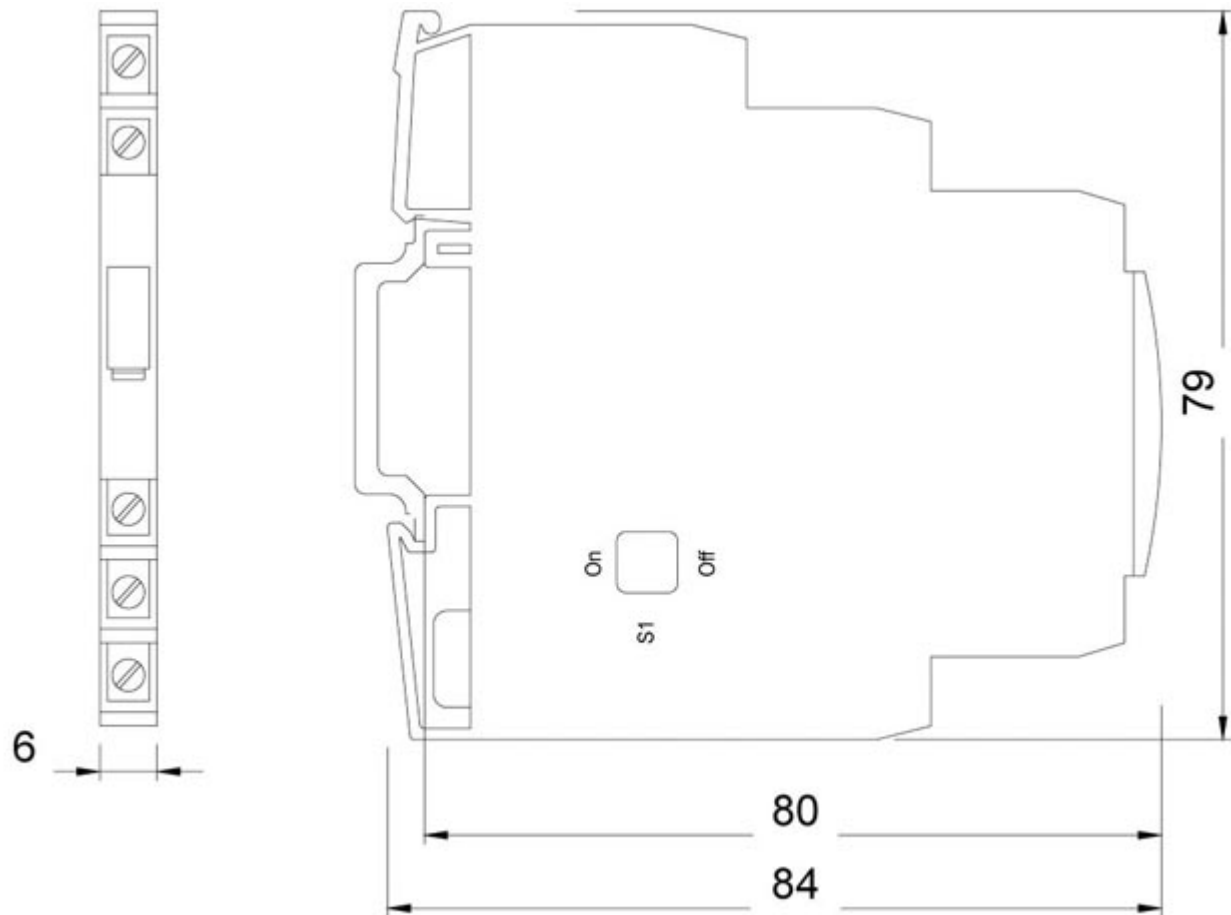
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1700-1DD00>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1700-1DD00&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1700-1DD00/manual>



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