SIEMENS

## Data sheet 3RS1705-2KW00

| | |
|---|---|
| | interface converter Phased-out product !!! For further information, please contact our sales department 24-240 V UC, 3-way separation input: 0-10 V, 0/4-20 mA output: 0-50/100 Hz/1/10 kHz Spring-type terminal |
| **product brand name** | SIRIUS |
| **product designation** | multi-range converters |
| **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** | 0.086 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 |
| **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 ... 10 V, 0 ... 20 mA, 4 ... 20 mA |
| **type of signal at output** | 0 ... 50 Hz, 0 ... 100 Hz, 0 ... 1 kHz, 0 ... 10 kHz |
| **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** | spring-loaded 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) |
| ● for AWG cables stranded | 2x (20 ... 16) |
| **connectable conductor cross-section** | |


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| | |
|---|---|
| ● solid | 0.5 ... 2.5 mm² |
| ● finely stranded with core end processing | 0.5 ... 1.5 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** | 80 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 |

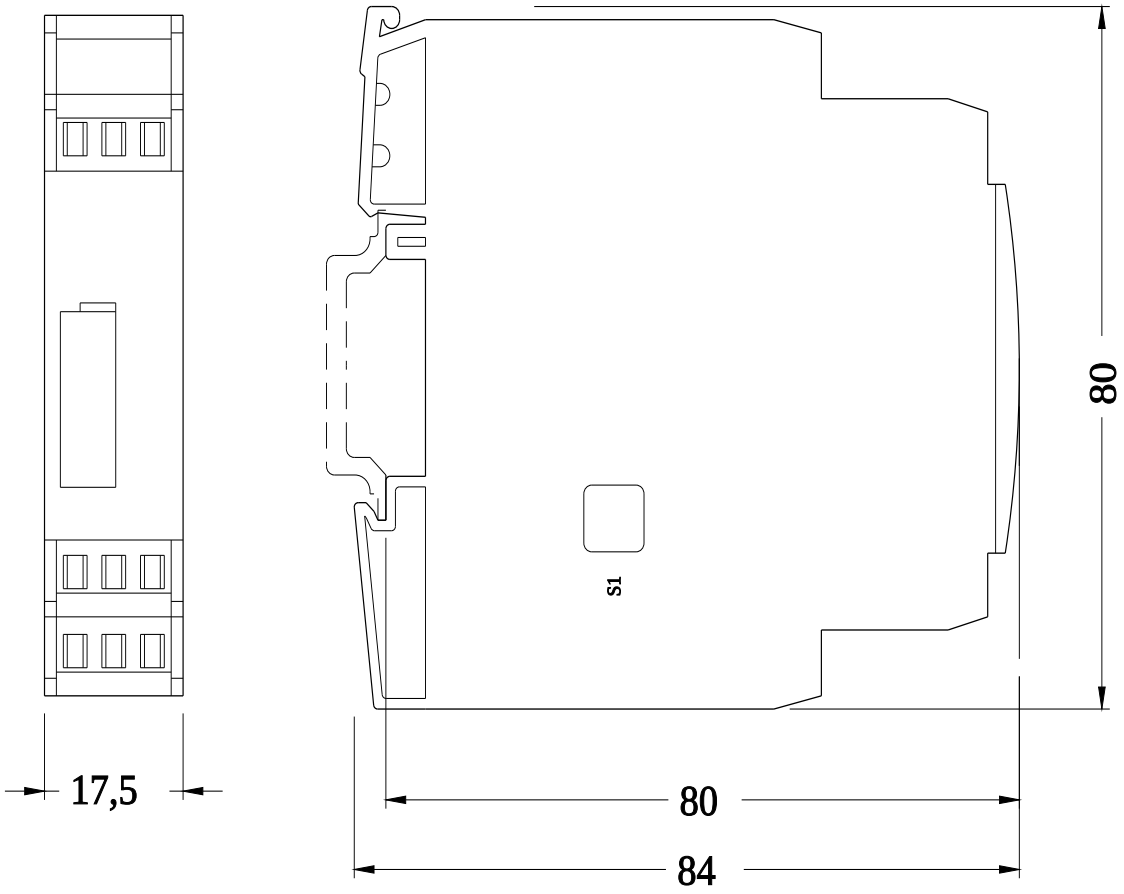
**other**

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)**
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RS1705-2KW00
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https://support.industry.siemens.com/cs/ww/en/ps/3RS1705-2KW00
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
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