



BASIC UNIT 1 SIMOCODE PRO C;  
PROFIBUS DP-INTERFACE 12 MBIT/S, RS485;  
4I/3O FREELY PARAMETERIZABLE;  
US: AC/DC 110-240V;  
THERMISTOR MOTOR PROTECTION;  
OUTPUTS MONOSTABLE

### General technical data:

Product brand name		SIRIUS
product designation		basic unit 1
Protection class IP		IP20
Built in orientation		any
EMC immunity to interference / according to IEC 60947-1		corresponds to degree of severity 3
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4		2 kV (power ports) / 1 kV (signal ports)
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5		2 kV
Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5		1 kV
Field-bound parasitic coupling / according to IEC 61000-4-3		10 V/m
EMC emitted interference / according to IEC 60947-1		class A
Resistance against vibration		1-6 Hz / 15 mm; 6-500 Hz / 2 g
Impulse voltage resistance / rated value	V	4,000
Insulation voltage / rated value	V	300
Active power loss / total / typical	W	7
Switching behaviour		monostable
Number of outputs		3
Number of inputs		4

<b>Number of semiconductor outputs</b>		0
<b>Number of outputs / as contact-affected switching element</b>		3
<b>Product component</b> <ul style="list-style-type: none"> <li>• input for thermistor connection</li> <li>• input for analog temperature sensors</li> <li>• input for ground-fault detection</li> </ul>		Yes No No
<b>Product function</b> <ul style="list-style-type: none"> <li>• voltage detection</li> <li>• current detection</li> </ul>		No Yes
<b>Item designation</b> <ul style="list-style-type: none"> <li>• according to DIN EN 61346-2</li> <li>• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		F F

#### Communication:

<b>Product function</b> <ul style="list-style-type: none"> <li>• bus-communication</li> </ul>		Yes
<b>Protocol / will be supported / PROFIBUS DP protocol</b>		Yes

#### Supply voltage:

<b>Type of voltage</b> <ul style="list-style-type: none"> <li>• of supply voltage</li> </ul>		AC/DC
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#### Control circuit:

<b>Type of voltage</b> <ul style="list-style-type: none"> <li>• of the controlled supply voltage</li> </ul>		AC/DC
<b>Control supply voltage frequency / 1</b> <ul style="list-style-type: none"> <li>• rated value</li> </ul>	Hz	50
<b>Control supply voltage frequency / 2</b> <ul style="list-style-type: none"> <li>• rated value</li> </ul>	Hz	60
<b>Control supply voltage</b> <ul style="list-style-type: none"> <li>• 1 / for DC / rated value</li> <li>• for DC / rated value</li> <li>• at 50 Hz / at AC / rated value</li> <li>• at 60 Hz / at AC / rated value</li> </ul>	V V V V	240 110 ... 240 110 ... 240 110 ... 240

#### Installation/mounting/dimensions:

<b>Type of mounting</b>		screw and snap-on mounting
<b>Width</b>	mm	45
<b>Height</b>	mm	111
<b>Depth</b>	mm	95

## Connections:

### Product function

- removable terminal for auxiliary and control circuit

Yes

### Design of the electrical connection

- for auxiliary and control current circuit

screw-type terminals

### Conductor cross-section that can be connected / for auxiliary contact

- solid
- stranded wire
  - with conductor end processing
  - without conductor final cutting

mm<sup>2</sup>

0.5 ... 4

mm<sup>2</sup>

0.5 ... 2.5

mm<sup>2</sup>

0.5 ... 2.5

### AWG number / as coded connectable conductor cross-section

- for auxiliary contact

20 ... 14

## Ambient conditions:

### Installation altitude / at a height over sea level / maximum

m

4,000

### Ambient temperature

- during storage
- during operating
- during transport

°C

-40 ... 80

°C

-25 ... 60

°C

-40 ... 80

### Relative humidity / during operating phase

%

5 ... 95

## Certificates/approvals:

### Verification of suitability

CE / UL / CSA / CCC / C-TICK / GOST / NOM / ATEX / NEPSI / ABS / DNV / GL / LRS / RoHS

### General Product Approval

### For use in hazardous locations



CQC



CSA

[ROSTEST](#)



UL

[CQST](#)

[DEKRA EXAM, DMT](#)

### Test Certificates

### Shipping Approval

[Manufacturer](#)



ABS



DNV



GL



LRS

### other

[Manufacturer](#)

[PNO](#)

[other](#)

## Safety:

### Protection against electrical shock

finger-safe

## Further information:

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

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

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**Industry Mall (Online ordering system)**  
<http://www.siemens.com/industrial-controls/mall>

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**CAX-Online-Generator**  
<http://www.siemens.com/cax>

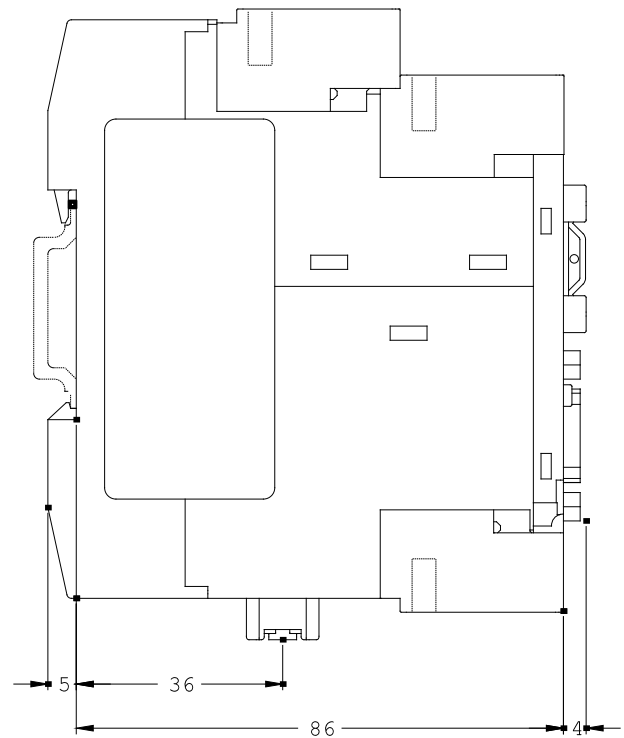
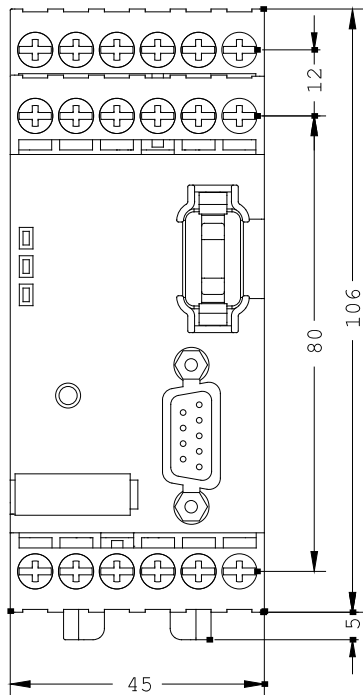
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**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<http://support.automation.siemens.com/WW/view/en/3UF7000-1AU00-0/all>

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**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3UF7000-1AU00-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3UF7000-1AU00-0)

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**last change:**

Oct 31, 2011