



BASIC UNIT 2 SIMOCODE PRO V;  
 PROFIBUS DP INTERFACE 12 MBIT/S, RS485;  
 4I/3O FREELY PARAMETERIZABLE;  
 US: DC 24V;  
 THERMISTOR MOTOR PROTECTION;  
 RELAY OUTPUTS MONOSTABLE;  
 EXPANDABLE BY EXPANSION MODULES

### General technical data:

|   |   |  |
|---|---|--|
| Product brand name  |   | SIRIUS                                   |
| product designation   |   | basic unit 2                             |
| 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<br>No<br>No |
| <b>Product function</b> <ul style="list-style-type: none"> <li>• voltage detection</li> <li>• current detection</li> </ul>   |  | Yes<br>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<br>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> |  | DC |
|--|--|----|

#### Control circuit:

|  |        |                 |
|--|--------|-----------------|
| <b>Type of voltage</b> <ul style="list-style-type: none"> <li>• of the controlled supply voltage</li> </ul>                                |        | DC              |
| <b>Control supply voltage</b> <ul style="list-style-type: none"> <li>• 1 / for DC / rated value</li> <li>• for DC / rated value</li> </ul> | V<br>V | 24<br>24 ... 24 |

#### 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 | 124                        |

#### Connections:

|  |  |                      |
|--|--|----------------------|
| <b>Product function</b> <ul style="list-style-type: none"> <li>• removable terminal for auxiliary and control circuit</li> </ul>         |  | Yes                  |
| <b>Design of the electrical connection</b> <ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul> |  | screw-type terminals |

|  |                                   |                             |
|--|-----------------------------------|-----------------------------|
| <b>Conductor cross-section that can be connected / for auxiliary contact</b> |                                   |                             |
|  | • solid                           | mm <sup>2</sup> 0.5 ... 4   |
|  | • stranded wire                   |                             |
|  | • with conductor end processing   | mm <sup>2</sup> 0.5 ... 2.5 |
|  | • without conductor final cutting | mm <sup>2</sup> 0.5 ... 2.5 |
| <b>AWG number / as coded connectable conductor cross-section</b>             |                                   |                             |
|  | • for auxiliary contact           | 20 ... 14                   |

#### Ambient conditions:

|   |                    |               |
|---|--------------------|---------------|
| <b>Installation altitude / at a height over sea level / maximum</b> | m                  | 4,000         |
| <b>Ambient temperature</b>  |                    |               |
|   | • during storage   | °C -40 ... 80 |
|   | • during operating | °C -25 ... 60 |
|   | • during transport | °C -40 ... 80 |
| <b>Relative humidity / during operating phase</b>                   | %                  | 5 ... 95      |

#### Certificates/approvals:

|                                    |  |
|------------------------------------|--|
| <b>Verification of suitability</b> | 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:

|  |             |
|--|-------------|
| <b>Protection against electrical shock</b> | finger-safe |
|--|-------------|

#### Further information:

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

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

##### Industry Mall (Online ordering system)

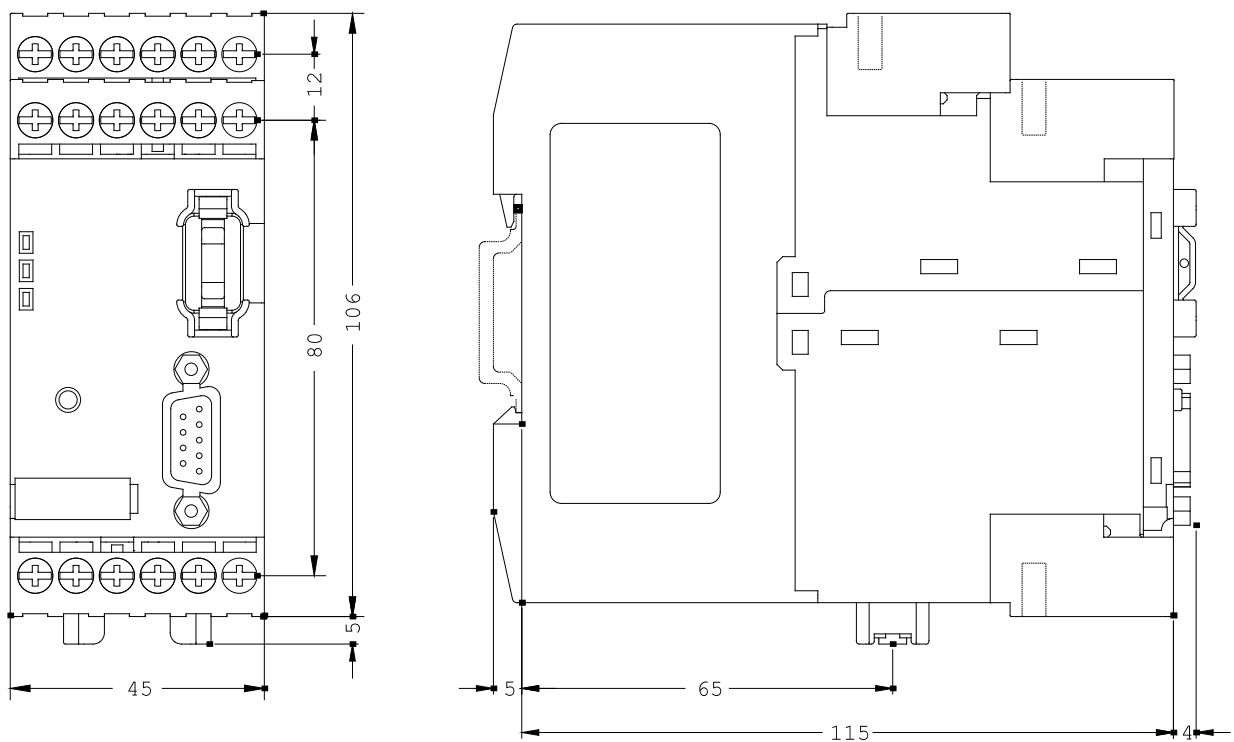
<http://www.siemens.com/industrial-controls/mall>

##### CAX-Online-Generator

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

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

<http://support.automation.siemens.com/WW/view/en/3UF7010-1AB00-0/all>



last change:

Oct 31, 2011