



Analog module, 2 inputs (passive) and 1 output, for analog signals 0/4...20 mA for SIMOCODE pro V basic unit

<b>product brand name</b>	SIRIUS
<b>product designation</b>	analog modules
<b>General technical data</b>	
<b>product component</b>	
• input for thermistor connection	No
• input for analog temperature sensors	No
• input for ground fault detection	No
<b>consumed active power</b>	0.9 W
<b>surge voltage resistance rated value</b>	4 000 V
<b>protection class IP</b>	IP20
<b>shock resistance according to IEC 60068-2-27</b>	15g / 11 ms
<b>vibration resistance according to IEC 60068-2-6</b>	1 ... 6 Hz: 15 mm, 6 ... 500 Hz: 2g
<b>reference code according to IEC 81346-2</b>	B
<b>Substance Prohibitance (Date)</b>	05/01/2012
<b>Electromagnetic compatibility</b>	
EMC emitted interference according to IEC 60947-1	class A
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3
<b>conducted interference</b>	
• due to burst according to IEC 61000-4-4	1 kV
• due to conductor-earth surge according to IEC 61000-4-5	2 kV
• due to conductor-conductor surge according to IEC 61000-4-5	1 kV
<b>field-based interference according to IEC 61000-4-3</b>	10 V/m
<b>Inputs/ Outputs</b>	
<b>number of inputs</b>	2
<b>number of digital inputs</b>	0
<b>number of analog inputs</b>	2
<b>input current as destruction limit maximum permissible</b>	40 mA
<b>input resistance</b>	50 Ω
<b>A/D resolution at the analog input</b>	12 bit
<b>A/D conversion time at the analog input</b>	150 ms
<b>diagnostics function at the analog input open-circuit detection</b>	Yes
<b>measuring range of current parameterizable</b>	0/4 mA ... 20 mA
<b>relative symmetrical measuring accuracy</b>	1 %
<b>relative symmetrical accuracy of output signal</b>	1 %
<b>number of outputs</b>	1
<b>number of semiconductor outputs</b>	0
<b>number of outputs as contact-affected switching element</b>	0

number of analog outputs	1
output load at analog output maximum	500 Ω
D/A conversion time at analog output	25 ms
A/D resolution at analog output	12 bit
output voltage	30 V
type of voltage of the output voltage	DC
property of the output short-circuit proof	Yes
value range of output current parameterizable	0/4 mA ... 20 mA

#### Installation/ mounting/ dimensions

mounting position	any
fastening method	screw and snap-on mounting
height	92 mm
width	22.5 mm
depth	124 mm
required spacing	
• top	40 mm
• bottom	40 mm
• left	0 mm
• right	0 mm

#### Connections/ Terminals

type of connection technology	2-wire connection
type of shield	
• at input	shield recommended up to 30 m and/or when exiting control cabinet, shield required from 30 m
• at output	shield recommended up to 30 m and/or when exiting control cabinet, shield required from 30 m
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 4.0 mm <sup>2</sup> ), 2x (0.5 ... 2.5 mm <sup>2</sup> )
• finely stranded with core end processing	1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
• at AWG cables solid	1x (20 ... 14), 2x (20 ... 16)
• at AWG cables stranded	1x (20 ... 12), 2x (20 ... 14)
tightening torque with screw-type terminals	0.8 ... 1.2 N·m
tightening torque [lbf·in] with screw-type terminals	7 ... 10.3 lbf·in

#### Ambient conditions

installation altitude at height above sea level	
• 1 maximum	2 000 m
• 2 maximum	3 000 m; max. +50 °C (no protective separation)
• 3 maximum	4 000 m; max. +40 °C (no protective separation)
ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
environmental category	
• during operation according to IEC 60721	3K6 (no formation of ice, no condensation, relative humidity 10 ... 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
• during storage according to IEC 60721	1K6 (no condensation, relative humidity 10 ... 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4
• during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2
relative humidity during operation	5 ... 95 %

#### Safety related data

touch protection against electrical shock	finger-safe
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#### Galvanic isolation

galvanic isolation	
• between output and electronics	No
• between inputs and electronics	No

#### Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
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[Confirmation](#)



Declaration of Conformity	Test Certificates	Marine / Shipping			other
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EG-Konf.

[Type Test Certificates/Test Report](#)



ABS



RMRS



DNV-GL

[Confirmation](#)

#### other



Profibus

#### Further information

**Siemens has decided to exit the Russian market (see here).**

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

**Siemens is working on the renewal of the current EAC certificates.**

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**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=3UF7400-1AA00-0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7400-1AA00-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3UF7400-1AA00-0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3UF7400-1AA00-0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7400-1AA00-0&lang=en)

**Test report No. A0258, protective separation**

<https://support.industry.siemens.com/cs/ww/en/view/109748152>



