



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>reference code according to IEC 81346-2</b>	B
<b>reference code according to IEC 81346-2:2019</b>	B
<b>Substance Prohibitance (Date)</b>	05/01/2012
<b>SVHC substance name</b>	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Lead titanium zirconium oxide - 12626-81-2
<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

number of outputs as contact-affected switching element	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 maximum	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
<b>Installation/ mounting/ dimensions</b>	
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
<b>Connections/ Terminals</b>	
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> )
• for AWG cables solid	1x (20 ... 14), 2x (20 ... 16)
• for 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
<b>Ambient conditions</b>	
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 %
<b>Electrical Safety</b>	
touch protection against electrical shock	finger-safe
<b>Galvanic isolation</b>	
galvanic isolation	
• between output and electronics	No
• between inputs and electronics	No
<b>Approvals Certificates</b>	
<b>General Product Approval</b>	



Confirmation



EMV Test Certificates Marine / Shipping



KC

Type Test Certificates/Test Report



other Environment Industrial Communication

Confirmation

Environmental Confirmations



Further information

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,...)

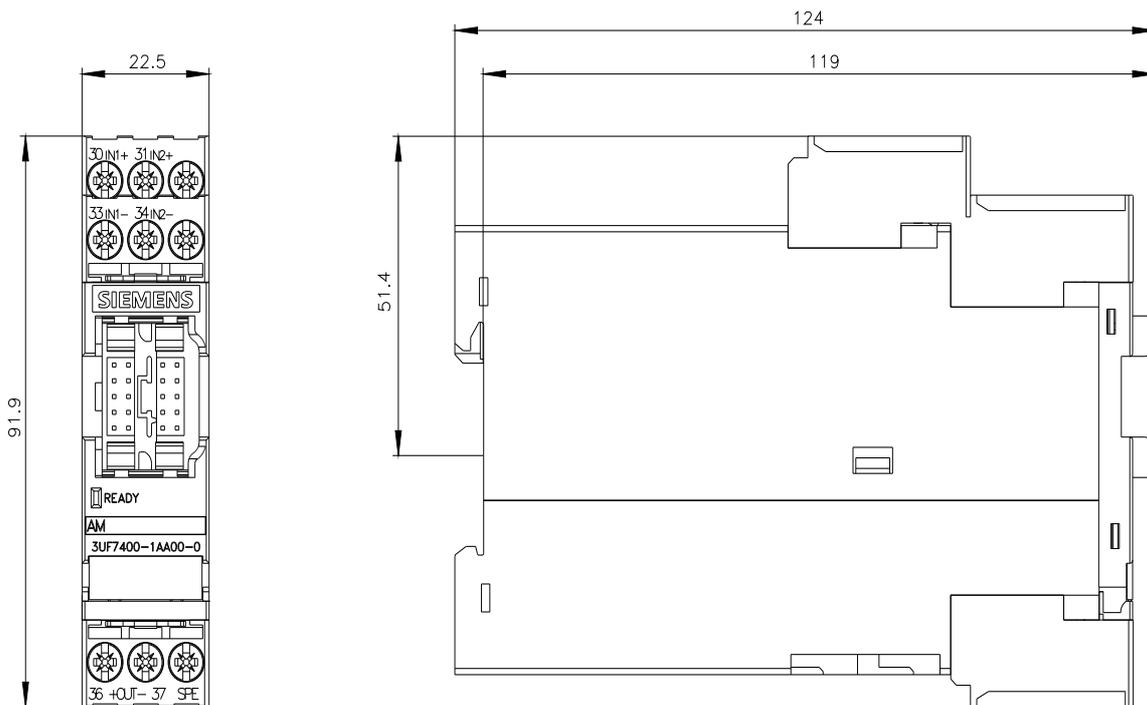
<https://support.industry.siemens.com/cs/ww/en/ps/3UF7400-1AA00-0>

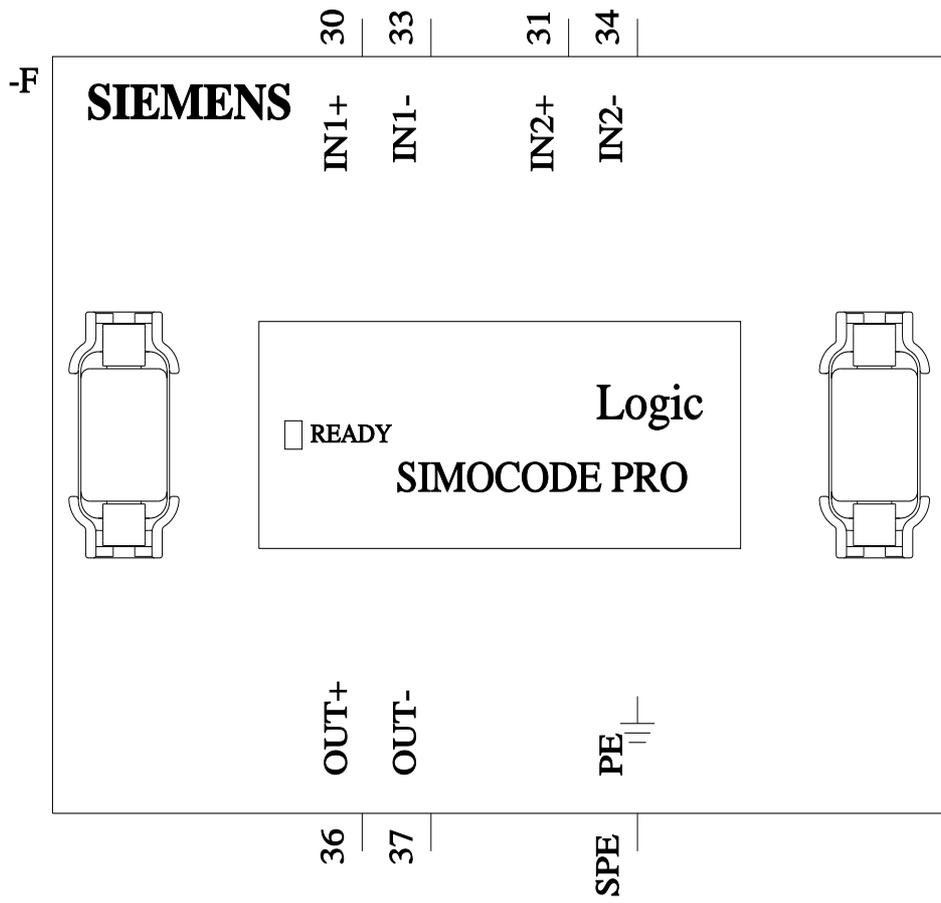
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[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>





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