SIEMENS

Data sheet 3UF7400-1AA00-0



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

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

number of analog outputs 1 500 Ω output load at analog output maximum D/A conversion time at analog output 25 ms A/D resolution at analog output 12 bit output voltage 30 V DC type of voltage of the output voltage property of the output short-circuit proof Yes 0/4 mA ... 20 mA value range of output current parameterizable 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 shield recommended up to 30 m and/or when exiting control cabinet, at output shield required from 30 m type of connectable conductor cross-sections 1x (0.5 ... 4.0 mm²), 2x (0.5 ... 2.5 mm²) • finely stranded with core end processing 1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²) • 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 2 000 m • 1 maximum • 2 maximum 3 000 m; max. +50 °C (no protective separation) 4 000 m; max. +40 °C (no protective separation) • 3 maximum ambient temperature -25 ... +60 °C · during operation · 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 **Galvanic** isolation galvanic isolation • between output and electronics No · between inputs and electronics No Certificates/ approvals **Declaration of EMC General Product Approval** Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping

other



Type Test Certificates/Test Report







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

 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

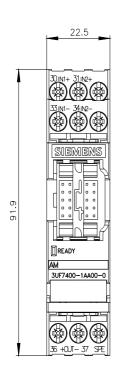
https://support.industry.siemens.com/cs/ww/en/ps/3UF7400-1AA00-0

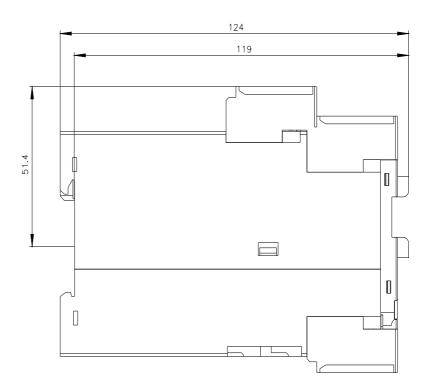
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

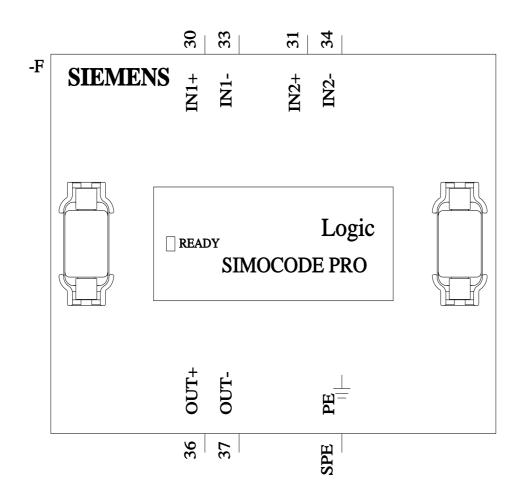
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7400-1AA00-0&lang=en

Test report No. A0258, protective separation

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







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