



AS-i SlimLine Compact module SC22.5, IP20, analog 2AQ-C/V screw terminals 2 x analog output outputs switchable C/V overall width 22.5 mm

<b>product designation</b>	Slimline Compact I/O module for use in the control cabinet
<b>design of the product</b>	AS-i SC22.5, 2AQ voltage/current
<b>General technical data</b>	
<b>protection class IP</b>	IP20
<b>design of the slave type</b>	standard slave
<b>AS-Interface slave profile</b>	S-7.3.5
<b>ID1 code</b>	F; Factory setting, changeable
<b>operating voltage according to AS-Interface specification</b>	18 ... 31.6 V
<b>product function suitable for AS-i Power24V</b>	Yes
<b>protocol is supported AS-Interface protocol</b>	Yes
<b>consumed current from profile conductors of the AS-Interface</b>	
• at 30 V maximum	200 mA
• at 24 V with AS-i Power24V maximum	200 mA
<b>type of address setting of AS-i slaves</b>	via front addressing socket
<b>display version</b>	
• for AS-Interface	LED green/red
<b>reference code</b>	
• according to EN 61346-2	K
• according to DIN 40719 extended according to IEC 204-2 according to IEC 750	A
<b>shock resistance</b>	15g / 11 ms (modules) or 10g / 11 ms (modules with device connector)
<b>other information</b>	An auxiliary external feed (AUX POWER) of between 20 and 30 V DC is necessary for supplying the output circuits. The auxiliary feed must comply with IEC 60990 (PELV), protection class III.
<b>Digital Inputs</b>	
<b>number of digital inputs</b>	0
<b>number of digital inputs safety-related</b>	0
<b>Digital Outputs</b>	
<b>number of digital outputs</b>	0
<b>type of voltage supply at the outputs</b>	AS interface or U_AUX
<b>Analog inputs</b>	
<b>number of analog inputs</b>	0
<b>A/D resolution for analog inputs/outputs</b>	12 bit
<b>Analog outputs</b>	
<b>number of analog outputs</b>	2
<b>signal range at analog output</b>	0 ... 20 mA; 4 ... 20 mA; +/- 20 mA; 1 ... 5 V; 0 ... 10 V; +/- 10 V
<b>product function parameterizable output variable</b>	Yes
<b>Errors/ accuracies</b>	
<b>relative symmetrical operational limit relating to input range/output range</b>	1 %; full scale

relative symmetrical basic error limit relating to input range/output range at 25 °C	0.8 %
symmetrical temperature error per K relating to input range/output range	0.01 %/K
relative symmetrical linearity error relating to input range/output range	0.08 %
relative symmetrical repeat accuracy relating to input range/output range in settled state 25 °C	0.1 %

#### Device connector

ampacity of the interface to the device connector	
<ul style="list-style-type: none"> <li>for AS-Interface</li> </ul>	2 A
<ul style="list-style-type: none"> <li>for external auxiliary voltage</li> </ul>	4 A

#### Installation/ mounting/ dimensions

fastening method	screw and snap-on mounting
height	100 mm
width	22.5 mm
depth	120 mm

#### Ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-25 ... +70 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +85 °C

#### Connections/ Terminals

type of electrical connection of the inputs and outputs	Screw terminals
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> <li>solid</li> </ul>	1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>finely stranded with core end processing</li> </ul>	1x (0.25 ... 2.5 mm <sup>2</sup> ), 2x (0.25 ... 1.0 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>finely stranded without core end processing</li> </ul>	Not permitted
<ul style="list-style-type: none"> <li>for AWG cables solid</li> </ul>	1x (24 ... 14), 2x (24 ... 16)
<ul style="list-style-type: none"> <li>for AWG cables stranded</li> </ul>	Not permitted

#### Certificates/ approvals

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



Declaration of Conformity	Test Certificates	Marine / Shipping
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[Type Test Certificates/Test Report](#)



#### other



[Confirmation](#)

#### Further information

**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).

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

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

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=3RK1107-0BE00-2AA2>

Cax online generator

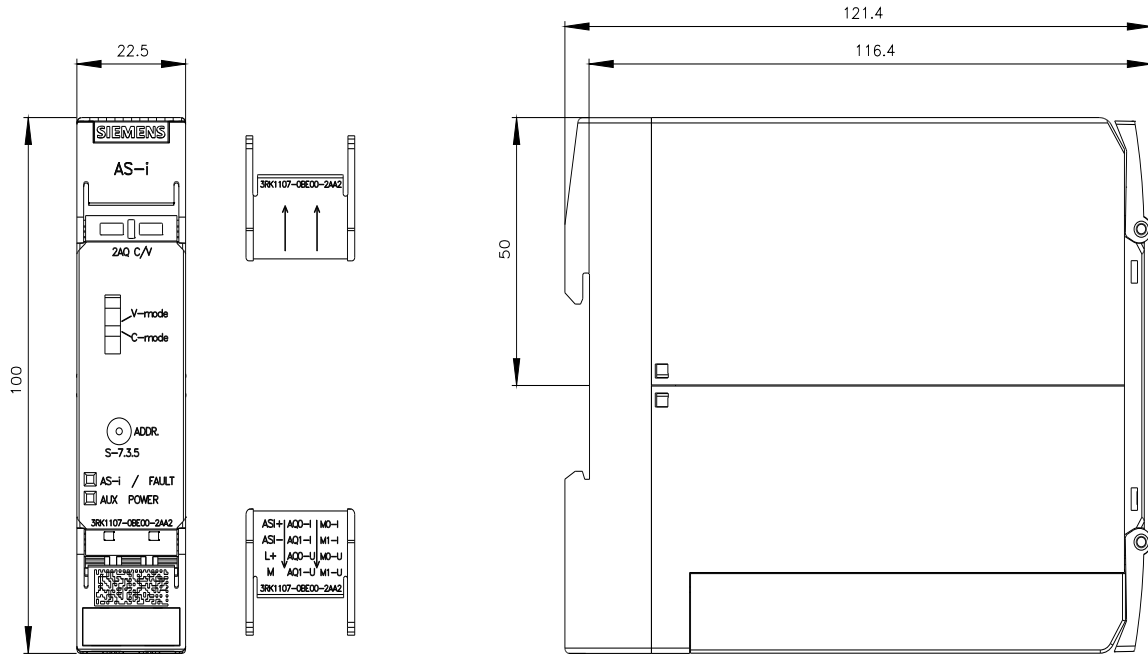
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1107-0BE00-2AA2>

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

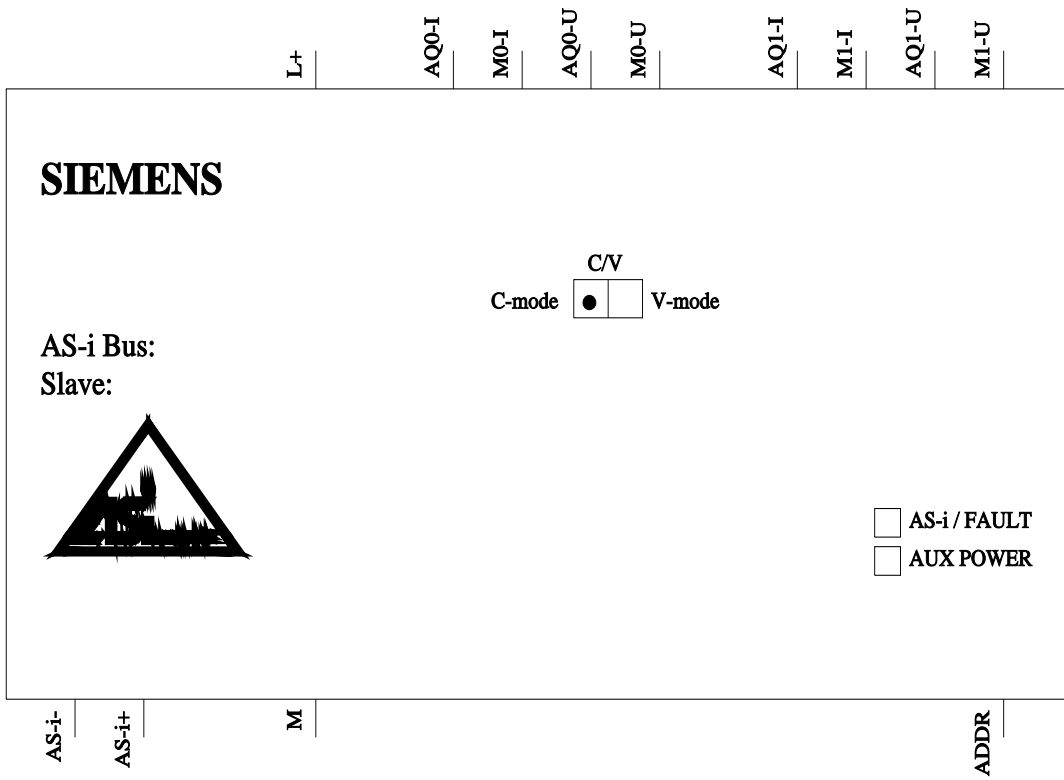
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1107-0BE00-2AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1107-0BE00-2AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1107-0BE00-2AA2&lang=en)



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