

AS-i SlimLine Compact module SC22.5, IP20, analog 2AQ-C/V spring-loaded 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>product type designation</b>	3RK1
<b>design of the device type</b>	standard slave
<b>AS-Interface device 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>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 the AS-i devices</b>	via front addressing socket
<b>Substance Prohibitance (day/month/year)</b>	05/01/2012
<b>SVHC substance name</b>	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1 Diboron trioxide CAS-No. 1303-86-2
<b>Net Weight</b>	0.179 kg
<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>	15 g / 11 ms (modules) or 10 g / 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
<b>relative symmetrical basic error limit relating to input range/output range at 25 °C</b>	0.8 %
<b>symmetrical temperature error per K relating to input range/output range</b>	0.01 %/K
<b>relative symmetrical linearity error relating to input range/output range</b>	0.08 %
<b>relative symmetrical repeat accuracy relating to input range/output range in settled state 25 °C</b>	0.1 %

## Device connector

<b>ampacity of the interface to the device connector</b>	
<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

<b>fastening method</b>	screw and snap-on mounting
<b>height</b>	100 mm
<b>width</b>	22.5 mm
<b>depth</b>	120 mm

## Ambient conditions

<b>ambient temperature</b>	
<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	spring-loaded terminal (push-in)
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>solid</li> </ul>	1x (0.5 ... 1.5 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 ... 1,0 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>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>for AWG cables solid</li> </ul>	1x (20 ... 16), 2x (20 ... 16)
<ul style="list-style-type: none"> <li>for AWG cables stranded</li> </ul>	1x (20 ... 16), 2x (20 ... 16)

## Approvals Certificates

Environment	General Product Approval	EMV
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[Environmental Conformations](#)



Test Certificates	Maritime application	other
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[Type Test Certificates/Test Report](#)



[Confirmation](#)



## Industrial Communication



## 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 for data generation and storage**  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>

**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=3RK1107-0BG00-2AA2>

**Cax online generator**  
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1107-0BG00-2AA2>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1107-0BG00-2AA2>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1107-0BG00-2AA2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1107-0BG00-2AA2&lang=en)

