

AS-i SlimLine Compact module SC22.5, IP20, analog, 2AQ-C/V
Screw terminals 4 x analog output Outputs switchable C/V Overall width 22.5 mm



Product designation	Slimline Compact I/O module for use in the control cabinet
Design of the product	AS-i SC22.5, 2AQ voltage/current
General technical data	
Protection class IP	IP20
Design of the slave type	standard slave
AS interface slave profile	S-7.3.5
ID1 code	F; Factory setting, changeable
Operating voltage acc. to AS Interface specification	18 ... 31.6 V
Product function suitable for AS-i Power24V	Yes
Protocol is supported AS-Interface protocol	Yes
Consumed current from profile conductors of the AS-Interface	
• at 30 V maximum	200 mA
• at 24 V with AS-i Power24V maximum	200 mA
Type of address setting of AS-i slaves	via front addressing socket
Display version	
• for AS Interface	LED green/red
Reference code	
• acc. to DIN EN 61346-2	K

<ul style="list-style-type: none"> • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 	A
Shock resistance	15g / 11 ms (modules) or 10g / 11 ms (modules with device connector)
Other information	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.

Digital Inputs	
Number of digital inputs	0
Number of digital inputs safety-related	0

Digital Outputs	
Number of digital outputs	0
Type of voltage supply at the outputs	AS interface or U_AUX

Analog inputs	
Number of analog inputs	0
A/D resolution for analog inputs/outputs	12 bit

Analog outputs	
Number of analog outputs	2
Signal range at analog output	0 ... 20 mA; 4 ... 20 mA; +/- 20 mA; 1 ... 5 V; 0 ... 10 V; +/- 10 V
Product function Parameterizable output variable	Yes

Errors/ accuracies	
Relative symmetrical operational limit relating to input range/output range	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	
Capacity of the interface to the device connector	
<ul style="list-style-type: none"> • for AS Interface 	2 A
<ul style="list-style-type: none"> • for external auxiliary voltage 	4 A

Installation/ mounting/ dimensions	
Mounting type	screw and snap-on mounting
Height	100 mm
Width	22.5 mm
Depth	120 mm






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



Connections/ Terminals

Type of electrical connection	
<ul style="list-style-type: none"> of the inputs and outputs 	Screw terminals
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> solid 	1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²)
<ul style="list-style-type: none"> finely stranded with core end processing 	1x (0.25 ... 2.5 mm ²), 2x (0.25 ... 1.0 mm ²)
<ul style="list-style-type: none"> finely stranded without core end processing 	Not permitted
<ul style="list-style-type: none"> at AWG conductors solid 	1x (20 ... 14), 2x (18 ... 16)
<ul style="list-style-type: none"> at AWG conductors stranded 	Not permitted

Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
 CSA	 UL	 EAC
	 RCM	 CE EG-Konf.
		Miscellaneous

Test Certificates	Marine / Shipping
Type Test Certificates/Test Report	 ABS
	 Lloyd's Register LRS
	 PRS
	 RINA
	 RMRS

Marine / Shipping	other
 DNV-GL DNVGL.COM/AF	 ASi
	Confirmation

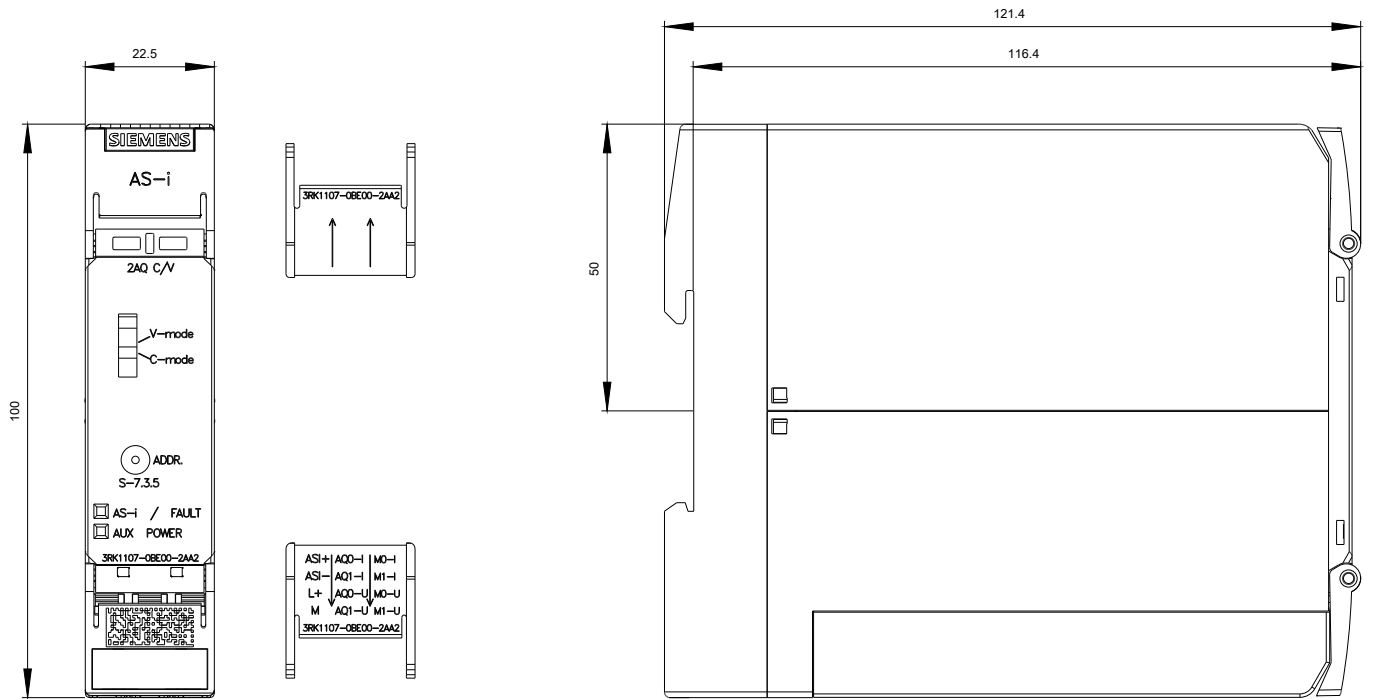
Further information

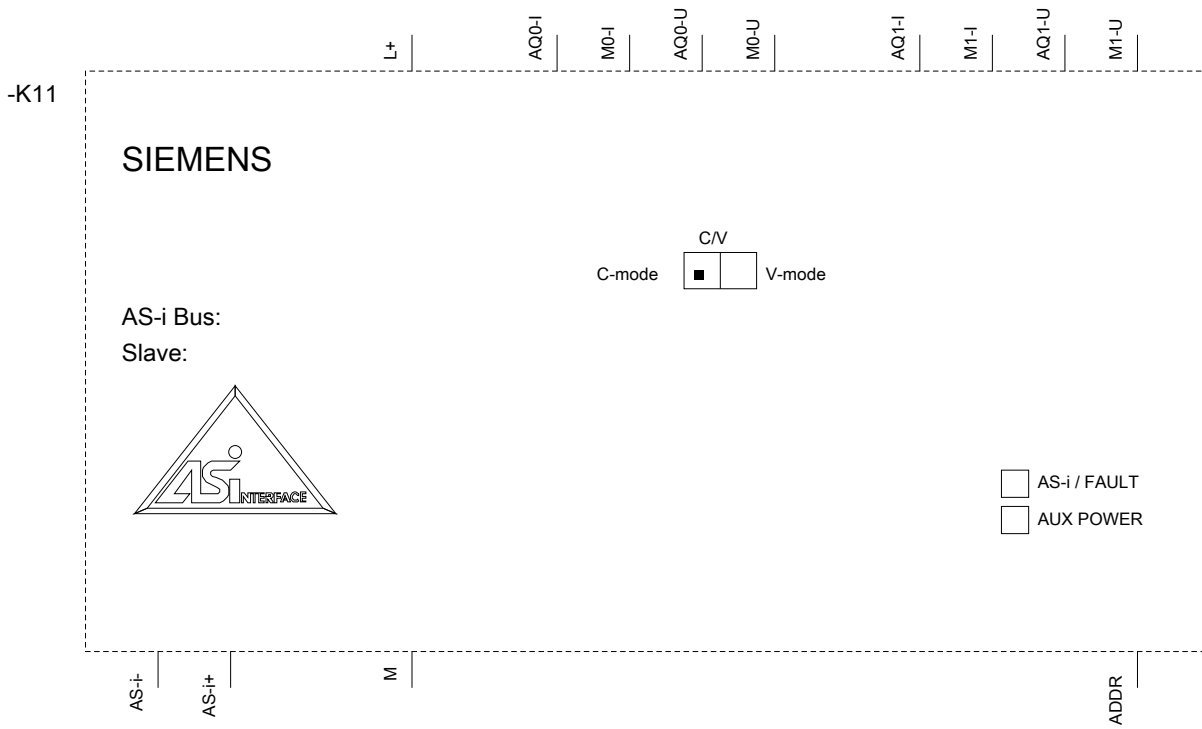
Information- and Downloadcenter (Catalogs, Brochures,...)
<https://www.siemens.com/ic10>

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>





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