

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	
<ul style="list-style-type: none"> 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 during operation
- ambient temperature during storage

-25 ... +70 °C

-40 ... +85 °C

Connections/ Terminals

type of electrical connection

- of the inputs and outputs
- type of connectable conductor cross-sections solid
- Type of connectable conductor cross-sections finely stranded with core end processing
- Type of connectable conductor cross-sections finely stranded without core end processing
- Type of connectable conductor cross-sections at AWG conductors solid
- type of connectable conductor cross-sections at AWG conductors stranded

Screw terminals

1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)

1x (0.25 ... 2.5 mm²), 2x (0.25 ... 1.0 mm²)

Not permitted

1x (20 ... 14), 2x (18 ... 16)

Not permitted

Certificates/ approvals

General Product Approval



[Miscellaneous](#)

Test Certificates

Marine / Shipping

[Type Test Certificates/Test Report](#)



Marine / Shipping

other



[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

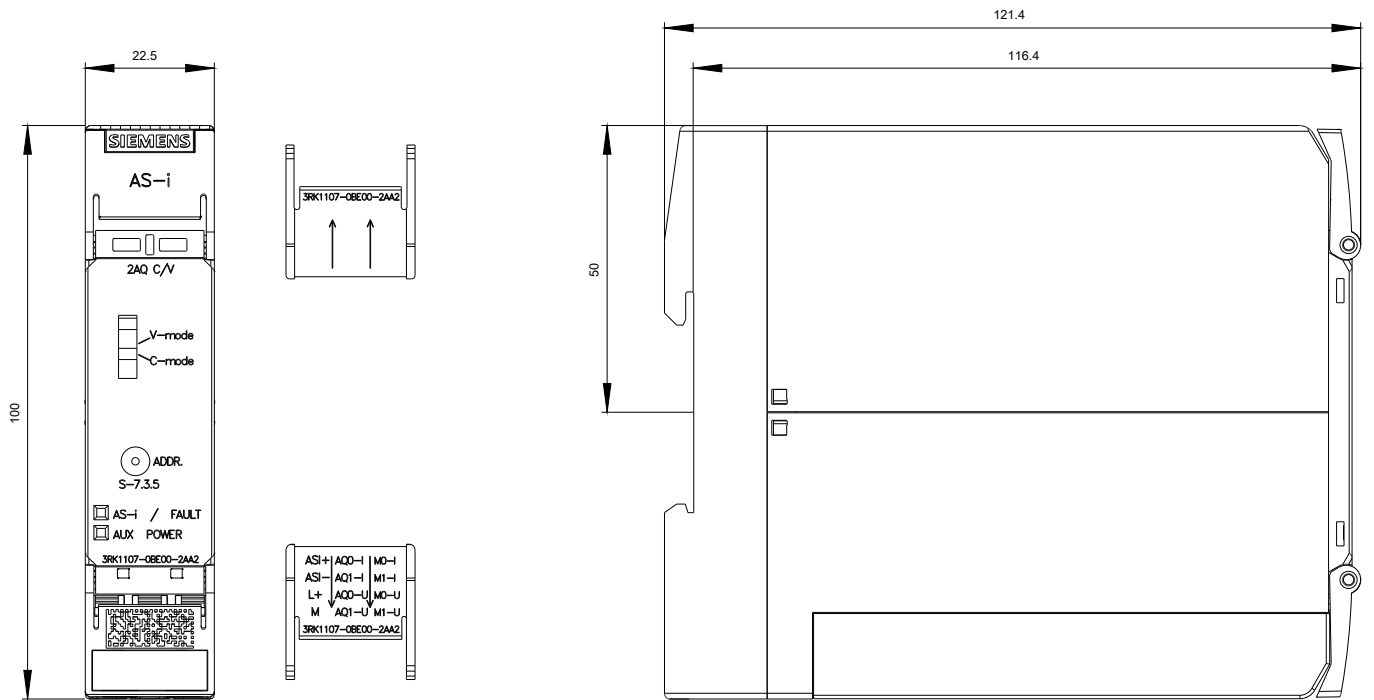
<https://www.siemens.com/ic10>

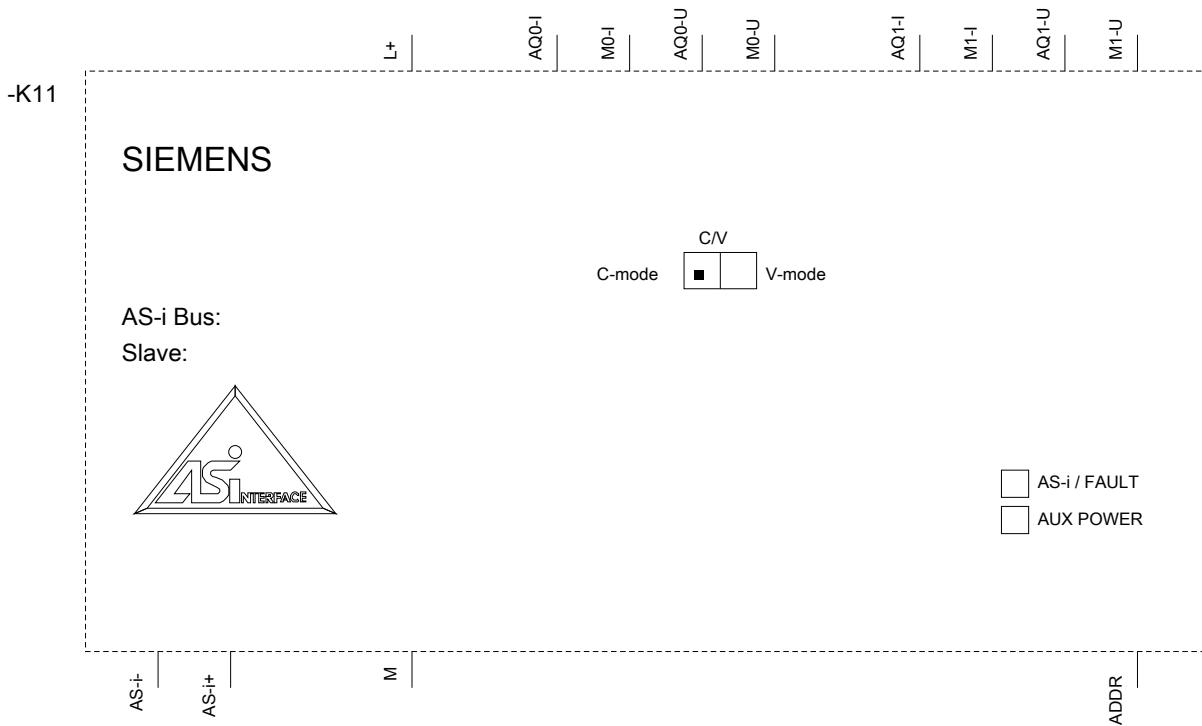
Industry Mall (Online ordering system)

<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>





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