

AS-i SlimLine Compact module SC22.5 digital, A/B slave 4 DI/4 RQ, IP20 4 x inputs for 3-wire sensor Sensor supply can be switched over 4 x output relay 1 A 24 V DC spring-type terminals 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, 4DI/4RQ A/B
General technical data	
Protection class IP	IP20
Design of the slave type	A/B slave (Spec. 3.0)
AS interface slave profile	S-7.A.7
ID1 code	7; Setting cannot be changed
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	300 mA
• at 24 V with AS-i Power24V maximum	300 mA
Type of address setting of AS-i slaves	via front addressing socket
Display version	
• as status display of the inputs/outputs	Yellow LED
• for AS Interface	LED green/red
Reference code	

• acc. to DIN EN 61346-2 • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	K A
Shock resistance	15g / 11 ms (modules) or 10g / 11 ms (modules with device connector)
Other information	Sensor supply via Uaux: Auxiliary feed 20 to 30 V DC required to supply the sensor. Sensor supply via AS-i: No additional power required.

Digital Inputs	
Number of digital inputs	4
Number of digital inputs safety-related	0
Type of input characteristic	PNP Type 2
Type of connection	2- and 3-wire technology

Sensor supply	
Type of voltage supply for power supply	AS-Interface / U_AUX switchable
Ampacity of the sensor supply for all inputs at ambient temperature 40 °C	500 mA
• Note	200 mA with supply via AS interface / 500 mA with supply via Uaux
Property of the sensor supply Short-circuit and overload resistant	Yes
Voltage drop at the sensor supply	
• from AS interface • from external auxiliary voltage	8.5 V 1 V

Digital Outputs	
Number of digital outputs	4
Type of switching output	Relays, NO contacts
Property of the output Short-circuit proof	No
Ampacity of the output relay at AC-15	
• at 230 V at 50/60 Hz	3 A
Ampacity of the output relay at DC-13	
• at 24 V • at 110 V • at 230 V	1 A 0.2 A 0.1 A
Thermal current	5 A

Analog inputs	
Number of analog inputs	0

Analog outputs	
Number of analog outputs	0

Device connector	
Ampacity of the interface to the device connector	

- for AS Interface
- for external auxiliary voltage

2 A

4 A

Installation/ mounting/ dimensions

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

Connections/ Terminals

Type of electrical connection	Spring-loaded terminals
• of the inputs and outputs	
Type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²)
• finely stranded with core end processing	1x (0.5 ... 1.0 mm ²), 2x (0.5 ... 1.0 mm ²)
• finely stranded without core end processing	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²)
• at AWG conductors solid	1x (20 ... 16), 2x (20 ... 16)
• at AWG conductors stranded	1x (20 ... 16), 2x (20 ... 16)

Certificates/ approvals

General Product Approval



[Miscellaneous](#)

Test Certificates

Marine / Shipping

[Type Test Certificates/Test Report](#)



other

[Confirmation](#)

[Miscellaneous](#)



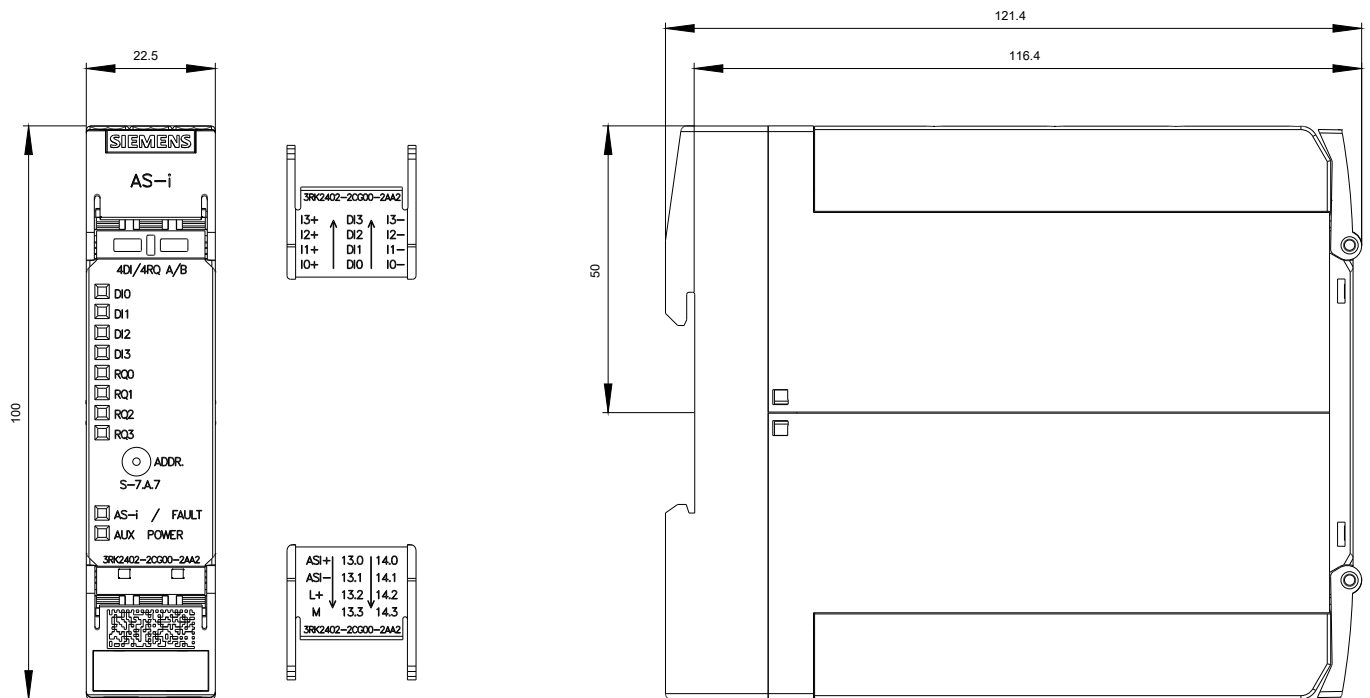
Further information

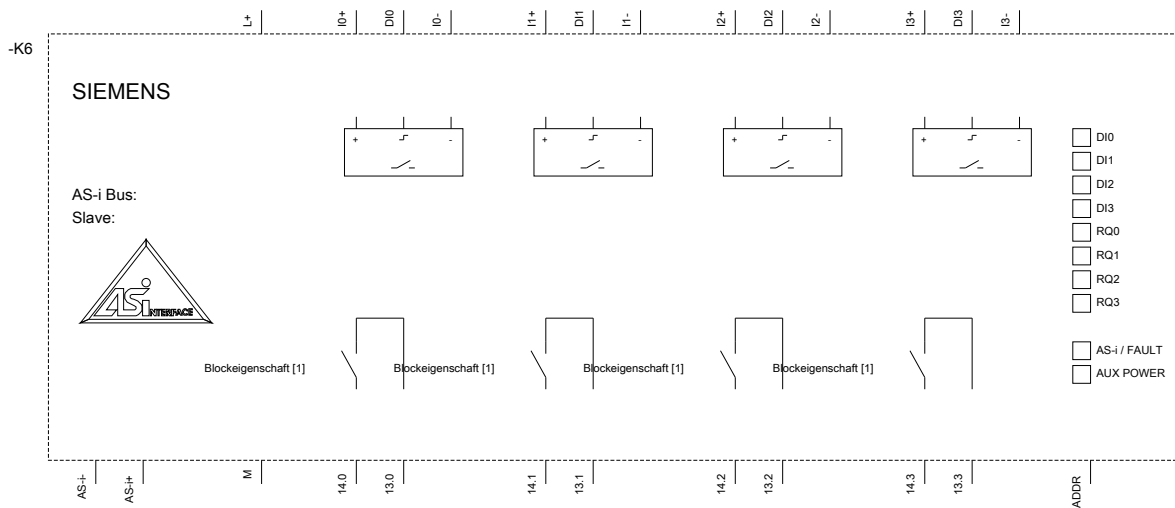
Information- and Downloadcenter (Catalogs, Brochures,...)

www.siemens.com/sirius/catalogs

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2402-2CG00-2AA2>





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