



AS-i SlimLine module Phased-out product !!! For further information, please contact our sales department S45 digital, A/B slave 4 DI/4 DQ, IP20 4 x inputs for 3-wire sensor 4 x output, 2 A, 24 V DC maximal 4 A for all outputs Screw terminals Overall width 45 mm

General technical data		
Design of the product		SlimLine S22.5 - I/O modules for operation in the control cabinet
Design of the slave type		A/B slave (Spec. 3.0)
Type		4 inputs / 4 outputs
I/O configuration		7
ID/ID2 code		A/7
Protocol is supported AS-Interface protocol		Yes
AS interface total current input max	mA	270
operating voltage according to AS-Interface spezifikation	V	26.5 ... 31.6
Addressing		front addressing socket
Type of electrical connection of the inputs and outputs		screw-type terminals
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Reference code acc. to DIN EN 61346-2		K

<b>note</b>		An external additional supply (AUX POWER) of 20 to 30 V DC is required for the supply of the output circuits. The additional supply must comply with VDE 0106 (PELV), protection class III.
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### Sensor supply

<b>Type of voltage supply for power supply</b>		using AS-Interface
<b>Input voltage</b>	V	20 ... 30
<b>Property of the sensor supply Short-circuit and overload resistant</b>		Yes
Ampacity of the sensor supply for all inputs <ul style="list-style-type: none"> <li>• at ambient temperature 40 °C</li> </ul>	mA	200

### Inputs

<b>Number of digital inputs</b>		4
<b>Type of connection</b>		2- and 3-wire technology
<b>Input circuit</b>		PNP transistor
<b>Type of voltage of the input voltages</b>		DC
<b>Inputs switching level High min</b>	V	10
Input current at digital input <ul style="list-style-type: none"> <li>• for signal &lt;1&gt; minimum</li> <li>• with signal &lt;0&gt; maximum</li> </ul>	mA mA	5 000 1.5
<b>Inputs sensor supply using AS-Interface</b>		short-circuit and overload resistant

### Outputs

<b>Number of digital outputs</b>		4
<b>Type of voltage of output voltages</b>		DC
Output voltage at DC at 24 V	V	22 ... 24
<b>Outputs external power supply 24 V DC</b>		using terminals: Terminal 13 = L+, Terminal 19 = M
<b>Outputs</b> <ul style="list-style-type: none"> <li>• aggregate current max</li> </ul>	A	4
<b>Ampacity</b> <ul style="list-style-type: none"> <li>• of the semiconductor output at DC-13 at 24 V</li> </ul>	A	2
<b>Type of switching output</b>		solid state
<b>Property of the output Short-circuit proof</b>		Yes
<b>output Polarity reversal protection</b>		built-in
<b>Outputs</b> <ul style="list-style-type: none"> <li>• short-circuit protection</li> <li>• induction protection</li> <li>• watchdog</li> </ul>		built-in built-in built-in
<b>Status display</b> <ul style="list-style-type: none"> <li>• display of I/Os</li> <li>• AS-Interface</li> <li>• FAULT</li> </ul>		yellow LED green LED red LED
<b>Assignment of data bits</b>		

- D0
  - D1
  - D2
  - D3
- |           |
|-----------|
| IN1/OUT1  |
| IN2 /OUT2 |
| IN3/OUT3  |
| IN4/OUT4  |

### Ambient conditions

#### Ambient temperature

- during operation      °C      -25 ... +70
- during storage        °C      -40 ... +85

#### Protection class IP

IP20

### Mechanical data

<b>Width</b>	mm	45
<b>Height</b>	mm	106
<b>Depth</b>	mm	86
<b>Mounting type</b>		35 mm standard rail mounting or wall mounting using push-in lugs
<b>Conductor cross-section</b>		<ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded</li> <li>— with end sleeve</li> <li>• AWG solid or stranded</li> </ul>
		<p>1 x (0.5 - 4) mm<sup>2</sup> or 2 x (0.5 - 2.5) mm<sup>2</sup></p> <p>1 x (0.5 - 2.5) mm<sup>2</sup> or 2 x (0.5 - 1.5) mm<sup>2</sup></p> <p>AWG 2 x (20 - 14) mm<sup>2</sup></p>

### Certificates/approvals

#### General Product Approval

#### EMC

#### Declaration of Conformity



[Miscellaneous](#)

#### Shipping Approval

#### other



#### other

[Confirmation](#)

[Miscellaneous](#)

### Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2400-1CE01-0AA2>

**Cax online generator**

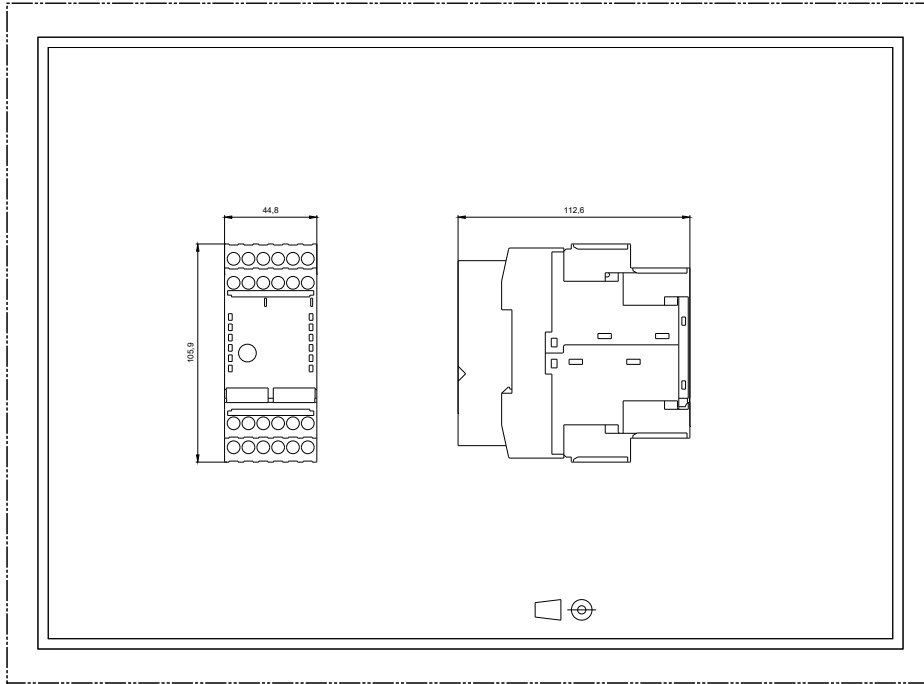
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2400-1CE01-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2400-1CE01-0AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2400-1CE01-0AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2400-1CE01-0AA2&lang=en)



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