

AS-INTERFACE SLIMLINE MOD. S45, DIGITAL, 4I/4OR, 2/3-WIRE, IP20 4 X 1 INPUT, 200MA, PNP, 4 X 1 OUTPUT, RELAY, 6A,UC 230V SCREW-TYPE TERMINAL CONNECT., MODULE 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		standard slave
Type		4 inputs / 4 outputs
I/O configuration		7
ID/ID2 code		0/F
Protocol is supported AS-interface protocol		Yes
AS interface total current input max	mA	270
operating voltage according to AS-Interface specification	V	26.5 ... 31.6
Addressing		front addressing socket
Type of electrical connection of the inputs and outputs		screw-type terminals
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Equipment marking acc. to DIN EN 61346-2		K

Sensor supply:

Type of voltage supply for power supply		using AS-Interface
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<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	5
	mA	1.5
<b>Inputs sensor supply using AS-Interface</b>		short-circuit and overload resistant

### Outputs:

<b>Number of digital outputs</b>		4
Output voltage at DC at 24 V	V	22 ... 24
<b>Outputs</b> <ul style="list-style-type: none"> <li>• current carrying capacity I<sub>th</sub></li> </ul>	A	5
<b>Ampacity</b> <ul style="list-style-type: none"> <li>• of the output relay <ul style="list-style-type: none"> <li>— at DC-13 <ul style="list-style-type: none"> <li>— at 24 V</li> <li>— at 110 V</li> <li>— at 230 V</li> </ul> </li> <li>— at AC-15 at 230 V at 50/60 Hz</li> </ul> </li> </ul>	A	1
	A	0.2
	A	0.1
	A	3
<b>Type of switching output</b>		relay, changeover floating
<b>Property of the output Short-circuit proof</b>		No
<b>output Polarity reversal protection</b>		does not apply
<b>Outputs</b> <ul style="list-style-type: none"> <li>• short-circuit protection</li> <li>• induction protection</li> <li>• watchdog</li> </ul>		external back-up fuse required: 6 A gL/gG does not apply 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> <ul style="list-style-type: none"> <li>• D0</li> <li>• D1</li> <li>• D2</li> </ul>		IN1/OUT1 IN2 /OUT2 IN3/OUT3

• D3

IN4/OUT4

**Ambient conditions:**

<b>Ambient temperature</b>		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
<b>Protection class IP</b>		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>		
• solid		1 x (0.5 - 4) mm <sup>2</sup> or 2 x (0.5 - 2.5) mm <sup>2</sup>
• finely stranded		
— with end sleeve		1 x (0.5 - 2.5) mm <sup>2</sup> or 2 x (0.5 - 1.5) mm <sup>2</sup>
• AWG solid or stranded		AWG 2 x (20 - 14) mm <sup>2</sup>

**Certificates/ approvals:**

<b>AS-Interface certificate</b>		yes (or requested for in case of new units)
<b>Approvals</b>		UL, CSA, shipbuilding (or requested for in case of new units)

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Shipping Approval</b>
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<b>Shipping Approval</b>	<b>other</b>
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**Further information**

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

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

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**Cax online generator**

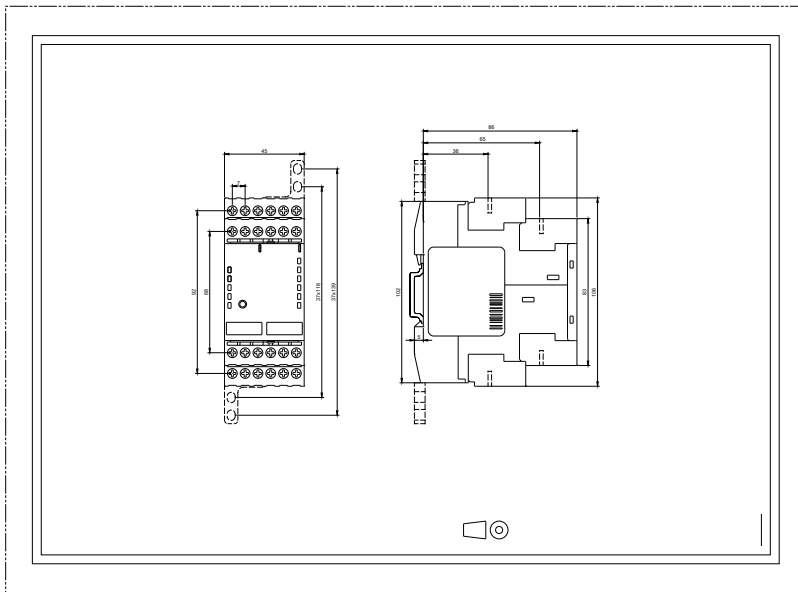
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RK14023CE000AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK14023CE000AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RK14023CE000AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RK14023CE000AA2&lang=en)



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