

AS-INTERFACE SLIMLINE MOD. S45, DIGITAL, 4I/4O, 2/3-WIRE, IP20 4 X 1 INPUT, 200MA, PNP 4 X 1 OUTPUT, 1A, DC 24V 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
note		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.

Sensor supply:		
Type of voltage supply for power supply		using AS-Interface
Input voltage	V	20 ... 30
Property of the sensor supply Short-circuit and overload resistant		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
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### 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
<b>Input current at digital input</b> <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 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
<b>Output voltage for DC at 24 V</b>	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	1
<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> <ul style="list-style-type: none"> <li>D0</li> <li>D1</li> <li>D2</li> <li>D3</li> </ul>		IN1/OUT1 IN2 /OUT2 IN3/OUT3 IN4/OUT4

### Ambient conditions:

<b>Ambient temperature</b> <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	°C °C	-25 ... +70 -40 ... +85
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Protection class IP		IP20
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### Mechanical data:

Width	mm	45
Height	mm	106
Depth	mm	86
Mounting type		35 mm standard rail mounting or wall mounting using push-in lugs
Conductor cross-section		<ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>— with end sleeve</li> </ul> </li> <li>• AWG solid or stranded</li> </ul>

### Certificates/ approvals:

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

General Product Approval	Test Certificates	Shipping Approval
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[Special Test Certificate](#)



Shipping Approval	other
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[Environmental Confirmations](#)

other
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[Declaration of Conformity](#)

[Confirmation](#)

[other](#)

### Further information

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

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

Industry Mall (Online ordering system)

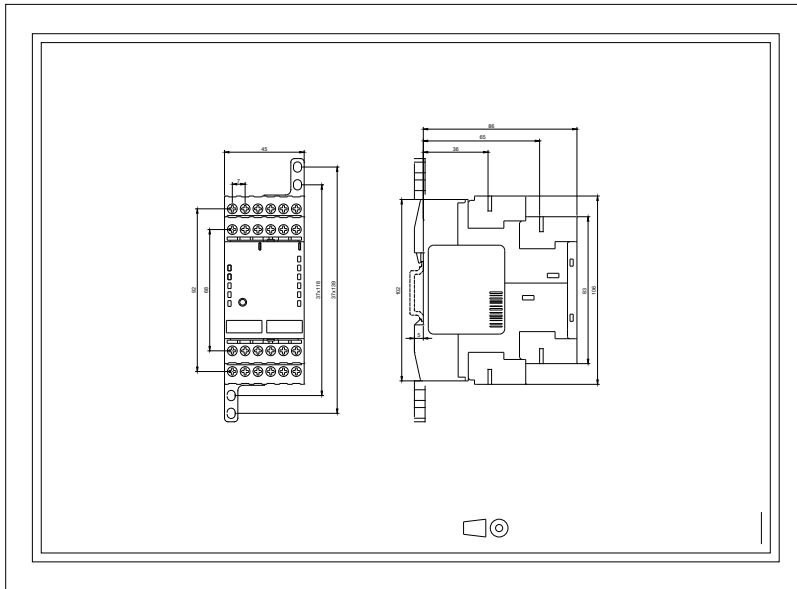
<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK14001CE000AA2>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<http://support.automation.siemens.com/WW/view/en/3RK14001CE000AA2/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK14001CE000AA2&lang=en>



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