

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:**

<b>Design of the product</b>		SlimLine S22.5 - I/O modules for operation in the control cabinet
<b>Design of the slave type</b>		standard slave
<b>Type</b>		4 inputs / 4 outputs
<b>I/O configuration</b>		7
<b>ID/ID2 code</b>		0/F
<b>Protocol is supported AS-interface protocol</b>		Yes
<b>AS interface total current input max</b>	mA	270
operating voltage according to AS-Interface specification	V	26.5 ... 31.6
<b>Addressing</b>		front addressing socket
<b>Type of electrical connection of the inputs and outputs</b>		screw-type terminals
<b>Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</b>		A
<b>Equipment marking acc. to DIN EN 61346-2</b>		K

**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 • at ambient temperature 40 °C	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
<b>Input current at digital input</b>		
• for signal <1> minimum	mA	5
• with signal <0> maximum	mA	1.5
<b>Inputs sensor supply using AS-Interface</b>		short-circuit and overload resistant

#### Outputs:

<b>Number of digital outputs</b>		4
<b>Output voltage for DC at 24 V</b>	V	22 ... 24
<b>Outputs</b>		
• current carrying capacity I <sub>th</sub>	A	5
<b>Ampacity</b>		
• of the output relay		
— at DC-13		
— at 24 V	A	1
— at 110 V	A	0.2
— at 230 V	A	0.1
— at AC-15 at 230 V at 50/60 Hz	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>		
• short-circuit protection		external back-up fuse required: 6 A gL/gG
• induction protection		does not apply
• watchdog		built-in
<b>Status display</b>		
• display of I/Os		yellow LED
• AS-Interface		green LED
• FAULT		red LED
<b>Assignment of data bits</b>		
• D0		IN1/OUT1
• D1		IN2 /OUT2
• D2		IN3/OUT3
• D3		IN4/OUT4

#### Ambient conditions:

<b>Ambient temperature</b>		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85

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)

<b>General Product Approval</b>	<b>Shipping Approval</b>
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<b>Shipping Approval</b>	<b>other</b>
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[Confirmation](#)

[Declaration of Conformity](#)

**other**

[Environmental Confirmations](#)      [other](#)

**Further information**

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

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

**Industry Mall (Online ordering system)**

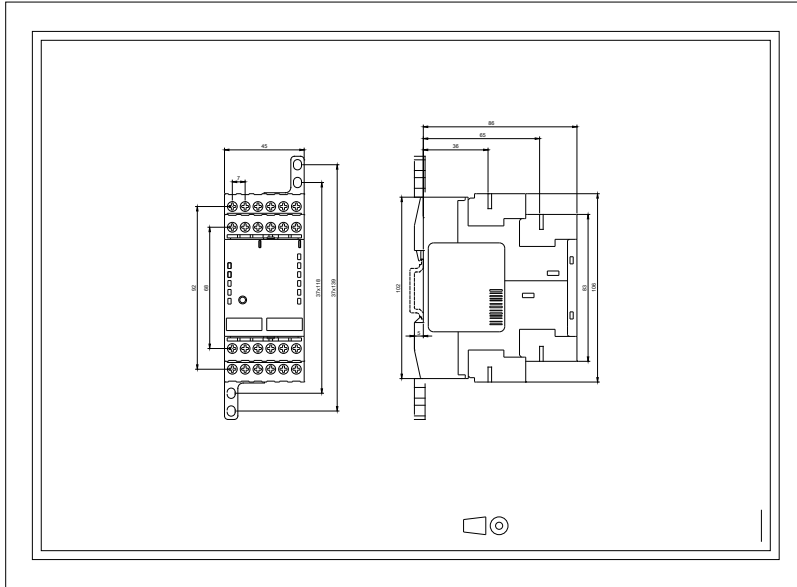
<http://www.siemens.com/industrymall>

**Cax online generator**

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

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

<http://support.automation.siemens.com/WW/view/en/3RK14023CE000AA2/all>



last modified:

09.03.2015