

AS-INTERFACE CONTROL CABINET MODULE SLIMLINE  
S22.5 A/B SLAVE IP 20 4DI ≤270MA SPRING-LOADED  
TERMINAL

**General technical data:**

<b>Design of the product</b>		SlimLine S22.5 - I/O modules for operation in the control cabinet, IP20
<b>Design of the slave type</b>		A/B slave
<b>Type</b>		4 inputs
<b>I/O configuration</b>		0
<b>ID/ID2 code</b>		A/0
<b>Protocol / is supported / AS-interface protocol</b>		Yes
<b>AS interface / total current input / max</b>	mA	270
<b>operating voltage</b>		
<ul style="list-style-type: none"> <li>• according to AS-Interface specification</li> </ul>	V	26.5 ... 31.6
<b>Addressing</b>		front addressing socket
<b>Design of the electrical connection / of the inputs and outputs</b>		spring-loaded terminals
<b>Reference code</b>		
<ul style="list-style-type: none"> <li>• acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750</li> <li>• acc. to DIN EN 61346-2</li> </ul>		A  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.
<b>Note 1</b>		detachment tool for spring-loaded terminal connection: See Accessories

**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
<b>Ampacity / of the sensor supply / for all inputs</b>		
<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
<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>		0
<b>Output voltage / for DC</b>		
• at 24 V	V	22 ... 24

#### Status display

• display of I/Os		yellow LED
• AS-Interface		green LED
• FAULT		red LED

#### Assignment of data bits

• D0		IN1
• D1		IN2
• D2		IN3
• D3		IN4

#### Ambient conditions:

<b>Ambient temperature</b>		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
<b>Protection class IP</b>		IP20

#### Mechanical design:

<b>Width</b>	mm	22.5
<b>Height</b>	mm	103
<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		2 x (0.25 - 1.5) mm <sup>2</sup>
• finely stranded		
• with end sleeve		2 x (0.25 - 1) mm <sup>2</sup>
• without end sleeve		2 x (0.25 - 1.5) mm <sup>2</sup>
• AWG / solid or stranded		AWG 2 x (24 - 16) mm <sup>2</sup>

## 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



### Shipping Approval



**other**

[Confirmation](#)

[Declaration of  
Conformity](#)

[other](#)

[Environmental  
Confirmations](#)

## Further information:

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

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

**Industry Mall (Online ordering system)**

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

**CAX-Online-Generator**

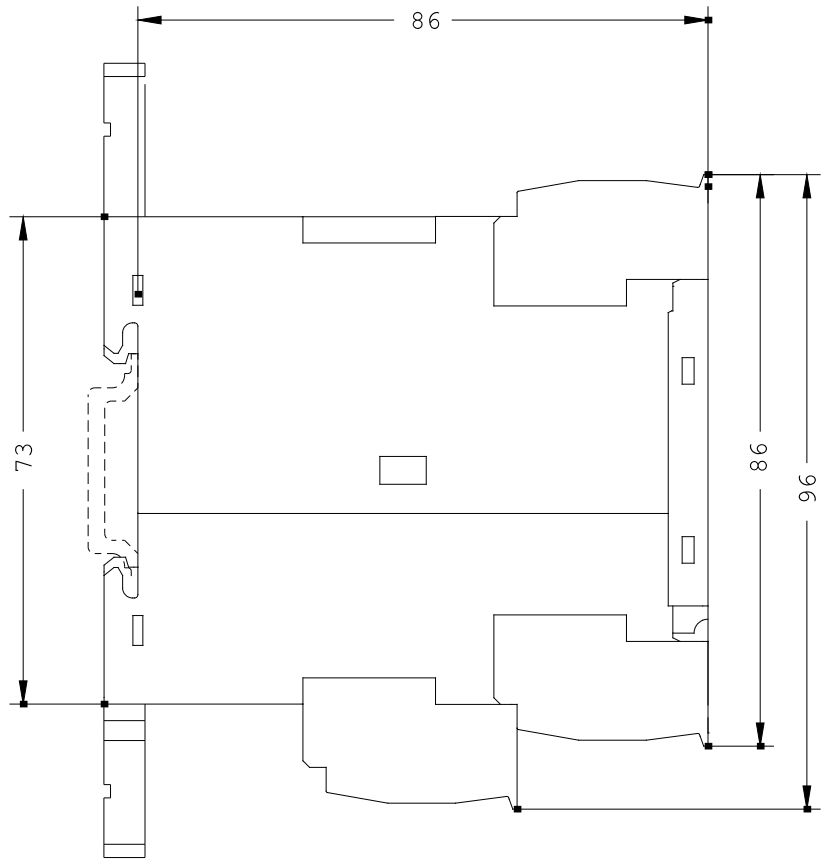
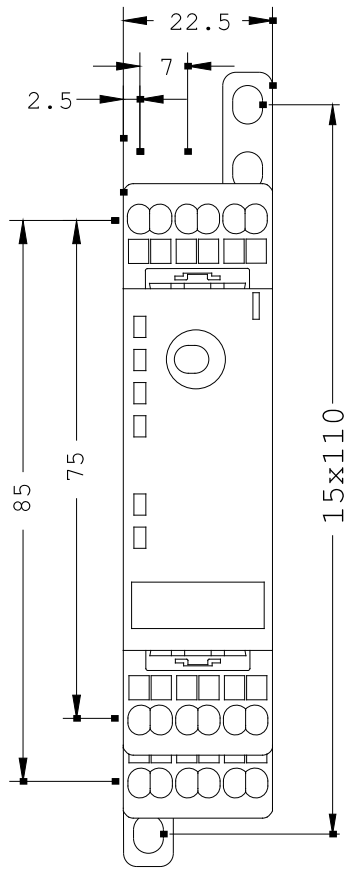
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK2200-0CG02-0AA2/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RK2200-0CG02-0AA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK2200-0CG02-0AA2)



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