

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

General technical data:

Design of the product		SlimLine S22.5 - I/O modules for operation in the control cabinet, IP20
Design of the slave type		A/B slave
Type		4 inputs
I/O configuration		0
ID/ID2 code		A/0
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
Design of the electrical connection / of the inputs and outputs		screw-type terminals
Reference code • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 • according to DIN EN 61346-2		A 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 the sensor supply		using AS-Interface
Input voltage	V	20 ... 30
Characteristic feature of the sensor supply / short-circuit and overload resistant		Yes
Current carrying capacity / of the sensor supply / for all inputs • at ambient temperature 40 °C	mA	200

Inputs:

Number of digital inputs		4
Type of connection		2- and 3-wire technology
Input circuit		PNP transistor
Type of / input voltages		DC

Inputs / switching level High / min	V	10
Input current / at the digital input		
• for signal <1> / minimum	mA	5
• at signal <0> / maximum	mA	1.5
Inputs / sensor supply using AS-Interface		short-circuit and overload resistant
Outputs:		
Number of digital outputs		0
Output voltage / at 24 V		
• for DC	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:		
Ambient temperature		
• during operating	°C	-25 ... +70
• during storage	°C	-40 ... +85
Protection class IP		IP20
Mechanical design:		
Width	mm	22.5
Height	mm	102
Depth	mm	86
Mounting type		35 mm standard rail mounting or wall mounting using push-in lugs
Conductor cross-section		
• solid		1 x (0.5 - 4) mm ² or 2 x (0.5 - 2.5) mm ²
• finely stranded		
• with end sleeve		1 x (0.5 - 2.5) mm ² or 2 x (0.5 - 1.5) mm ²
• AWG / solid or stranded		AWG 2 x (20 - 14) mm ²
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



CSA



GOST



UL

Shipping Approval



ABS



BUREAU
VERITAS



DNV



LRS



PRS



RMRS

other

[Confirmation](#)

[Declaration of
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[Environmental
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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/industrial-controls/mall>

CAX-Online-Generator

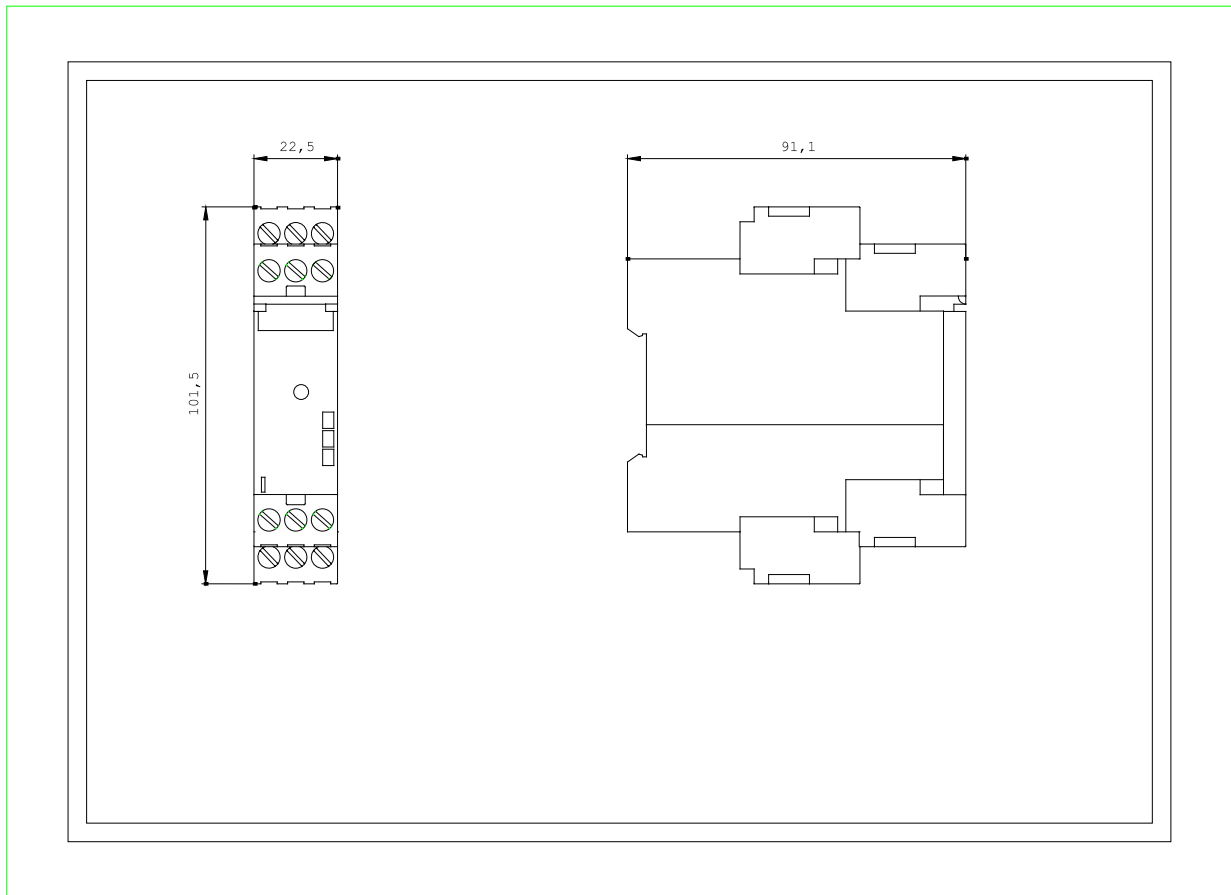
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK2200-0CE02-0AA2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK2200-0CE02-0AA2



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