



AS-INTERFACE SLIMLINE MODULE S45, IP20,
 A/B-SLAVE (SPEC 3.0) DIGITAL, 4DI/4DO,
 4 X INPUT FOR SENSOR (MECHAN., 2-WIRE, 3-
 WIRE),PNP,
 SENSOR SUPPLY FROM U_ASI MAX. TOTAL 200MA;
 4 X OUTPUT 2A,
 OUTPUT SUPPLY DC 24V MAX. 4A FOR ALL OUTPUTS;
 SCREW TERMINALS WIDTH 45MM

General technical data:

Design of the product		SlimLine S22.5 - I/O modules for operation in the control cabinet
Design of the slave type		A/B slave (Spec. 3.0)
Type		4 inputs / 4 outputs
I/O configuration		7
ID/ID2 code		A/7
Protocol / is supported / AS interface protocol		Yes
AS interface / total current input / max	mA	270
operating voltage <ul style="list-style-type: none"> • according to AS-Interface spezification 	V	26.5 ... 31.6
Addressing		front addressing socket
Design of the electrical connection / of the inputs and outputs		screw-type terminals
Reference code <ul style="list-style-type: none"> • 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 • at signal <0> / maximum	A mA	5 1.5
Inputs / sensor supply using AS-Interface		short-circuit and overload resistant

Outputs:

Number of digital outputs		4
Voltage type / of output voltages		DC
Output voltage / at 24 V • for DC	V	22 ... 24
Outputs / external power supply 24 V DC		using terminals: Terminal 13 = L+, Terminal 19 = M
Outputs • aggregate current / max	A	4
Current-carrying capacity • of the semiconductor output / at DC-13 / at 24 V	A	2
Design of the switching output		solid state
Characteristic feature of the output / short-circuit protected		Yes
output / Polarity reversal protection		built-in
Outputs • short-circuit protection • induction protection • watchdog		built-in built-in built-in

Status display

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

Assignment of data bits

• D0	IN1/OUT1
• D1	IN2 /OUT2
• D2	IN3/OUT3
• D3	IN4/OUT4

Ambient conditions:

Ambient temperature

• during operating	°C	-25 ... +70
• during storage	°C	-40 ... +85

Protection class IP

IP20

Mechanical design:

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"> • solid • finely stranded <ul style="list-style-type: none"> • with end sleeve • AWG / solid or stranded 	

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

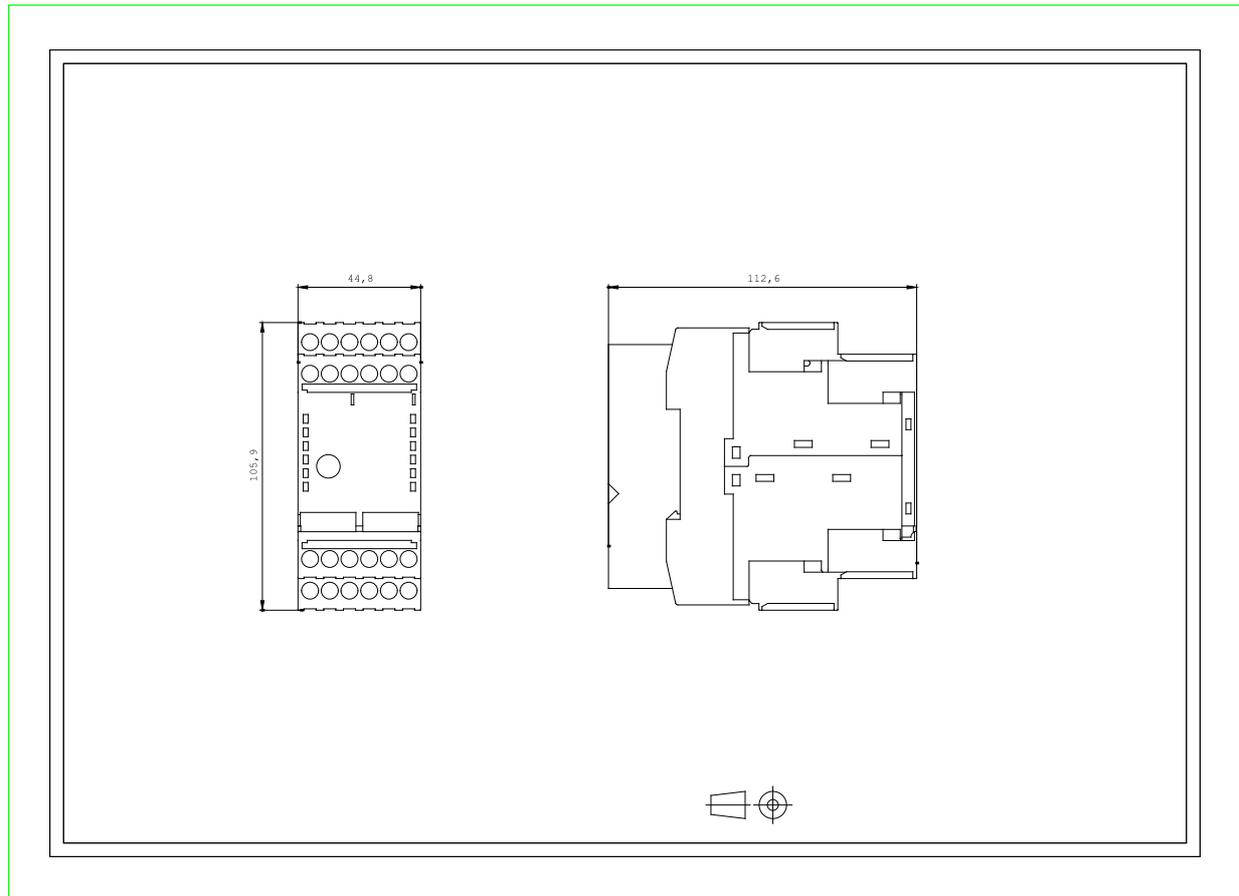
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK2400-1CE01-0AA2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK2400-1CE01-0AA2



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