



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 according to AS-Interface spezification	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"> at ambient temperature 40 °C 	mA	200
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Inputs:

Number of digital inputs		4
Type of connection		2- and 3-wire technology
Input circuit		PNP transistor
Type of voltage of the input voltages		DC
Inputs switching level High min	V	10
Input current at digital input <ul style="list-style-type: none"> for signal <1> minimum with signal <0> maximum 	mA mA	5 000 1.5
Inputs sensor supply using AS-Interface		short-circuit and overload resistant

Outputs:

Number of digital outputs		4
Type of voltage of output voltages		DC
Output voltage for DC at 24 V	V	22 ... 24
Outputs external power supply 24 V DC		using terminals: Terminal 13 = L+, Terminal 19 = M
Outputs <ul style="list-style-type: none"> aggregate current max 	A	4
Ampacity <ul style="list-style-type: none"> of the semiconductor output at DC-13 at 24 V 	A	2
Type of switching output		solid state
Property of the output Short-circuit proof		Yes
output Polarity reversal protection		built-in
Outputs <ul style="list-style-type: none"> short-circuit protection induction protection watchdog 		built-in built-in built-in
Status display <ul style="list-style-type: none"> display of I/Os AS-Interface FAULT 		yellow LED green LED red LED
Assignment of data bits <ul style="list-style-type: none"> D0 D1 D2 D3 		IN1/OUT1 IN2 /OUT2 IN3/OUT3 IN4/OUT4

Ambient conditions:

Ambient temperature <ul style="list-style-type: none"> during operation during storage 	°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"> • 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
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Shipping Approval	other
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[Declaration of Conformity](#)

[Confirmation](#)

other

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

Further information

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

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

Industry Mall (Online ordering system)

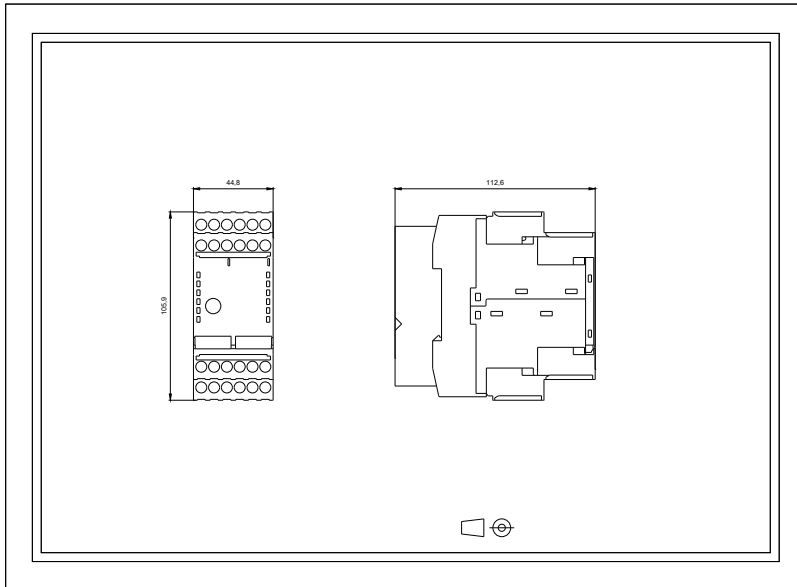
<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK24001CE010AA2>

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

<http://support.automation.siemens.com/WW/view/en/3RK24001CE010AA2/all>



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