



AS-INTERFACE SLIMLINE MODULE, S22.5,
DIGITAL, 2I/2O, IP20, 2 X 1 INPUT,
2-WIRE, PNP 2 X 1OUTP., ELECTR., 2A,
DC 24V CAGE-CLAMP, MODULE WIDTH 22.5 MM

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		standard slave
Type		2 inputs / 2 outputs
I/O configuration		3
ID/ID2 code		0/F
Protocol / is supported / AS interface protocol		Yes
AS interface / total current input / max	mA	50
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		spring-loaded 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.

Note 1		detachment tool for spring-loaded terminal connection: See Accessories
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
Inputs:		
Number of digital inputs		2
Type of connection		2-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		2
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 7= L+, Terminal 10 = 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		PNP transistor
Characteristic feature of the output / short-circuit protected		Yes
output / Polarity reversal protection		not installed
Outputs		
• short-circuit protection		built-in
• induction protection		built-in
• watchdog		built-in
Status display		
• display of I/Os		yellow LED
• AS-Interface		green LED
• FAULT		red LED

Assignment of data bits

- D0
- D1
- D2
- D3

IN1
IN2
OUT1
OUT2

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C -25 ... +70
°C -40 ... +85

Protection class IP

IP20

Mechanical design:

Width

mm 22.5

Height

mm 103

Depth

mm 86

Mounting type

35 mm standard rail mounting or wall mounting using push-in lugs

Conductor cross-section

- solid
- finely stranded
 - with end sleeve
 - without end sleeve
- AWG / solid or stranded

2 x (0.25 - 1.5) mm²

2 x (0.25 - 1) mm²
2 x (0.25 - 1.5) mm²
AWG 2 x (24 - 16) mm²

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

Test Certificates



[Special Test Certificate](#)

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

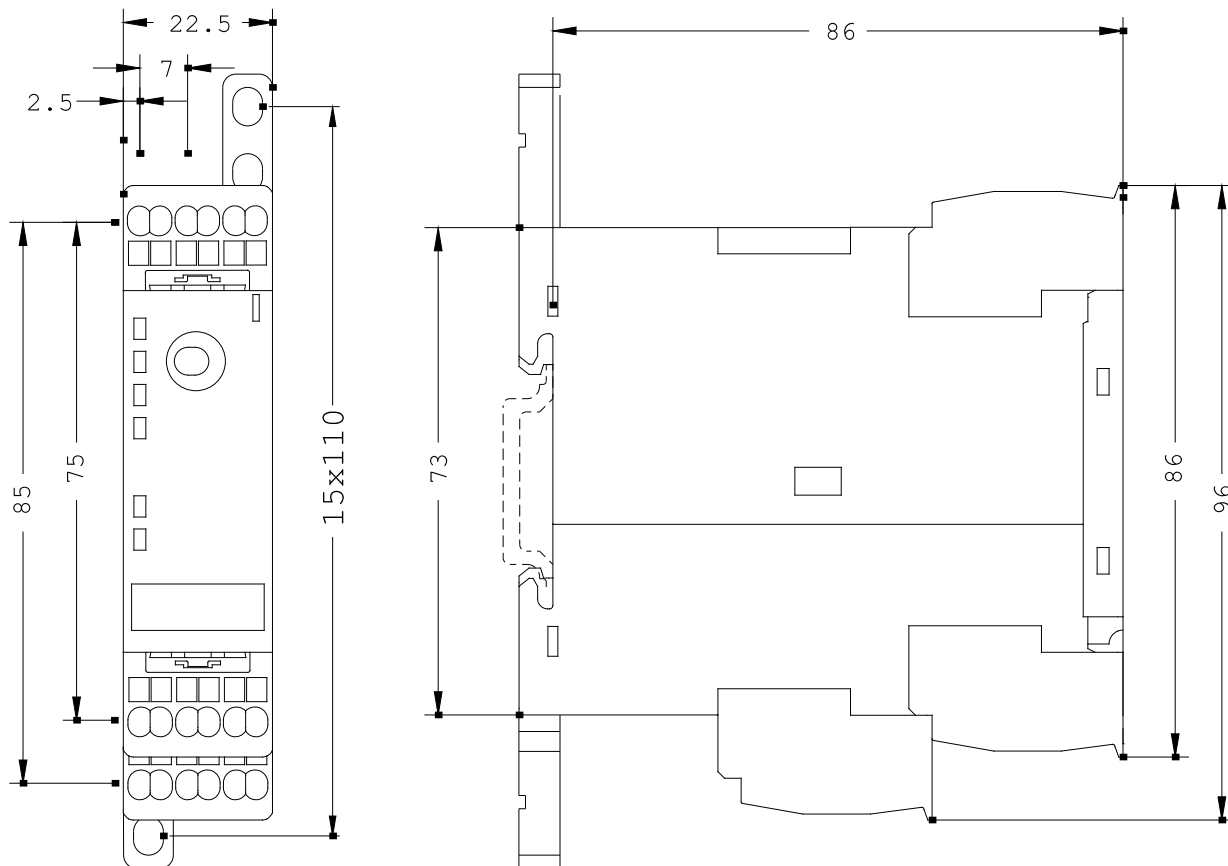
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1400-0BG00-0AA2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1400-0BG00-0AA2



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