



AS-INTERFACE SLIMLINE MOD. IP20 S22.5,
DIGITAL, 2I/2OR(RELAY), 2 X 1 INPUT,
2-WIRE, PNP 2 X 1 OUTPUT, RELAY,
6A,UC 230V SCREW-TYPE TERMINAL CONNECT.,
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		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
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
Output voltage / at 24 V		
• for DC	V	22 ... 24
Outputs		
• current carrying capacity / I _{th}	A	6
Current-carrying capacity		
• of the output relay		
• at DC-13		
• at 24 V	A	1
• at 110 V	A	0.2
• at 230 V	A	0.1
• at AC-15 / at 230 V / at 50/60 Hz	A	3
Design of the switching output		relay, changeover floating
Characteristic feature of the output / short-circuit protected		No
output / Polarity reversal protection		does not apply
Outputs		
• short-circuit protection		external back-up fuse required
• induction protection		does not apply
• 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 102

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
- AWG / solid or stranded

1 x (0.5 - 4) or 2 x (0.5 - 2.5)

1 x (0.5 - 2.5) mm² or 2 x (0.5 - 1.5) mm²
AWG 2 x (20 - 14) 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



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

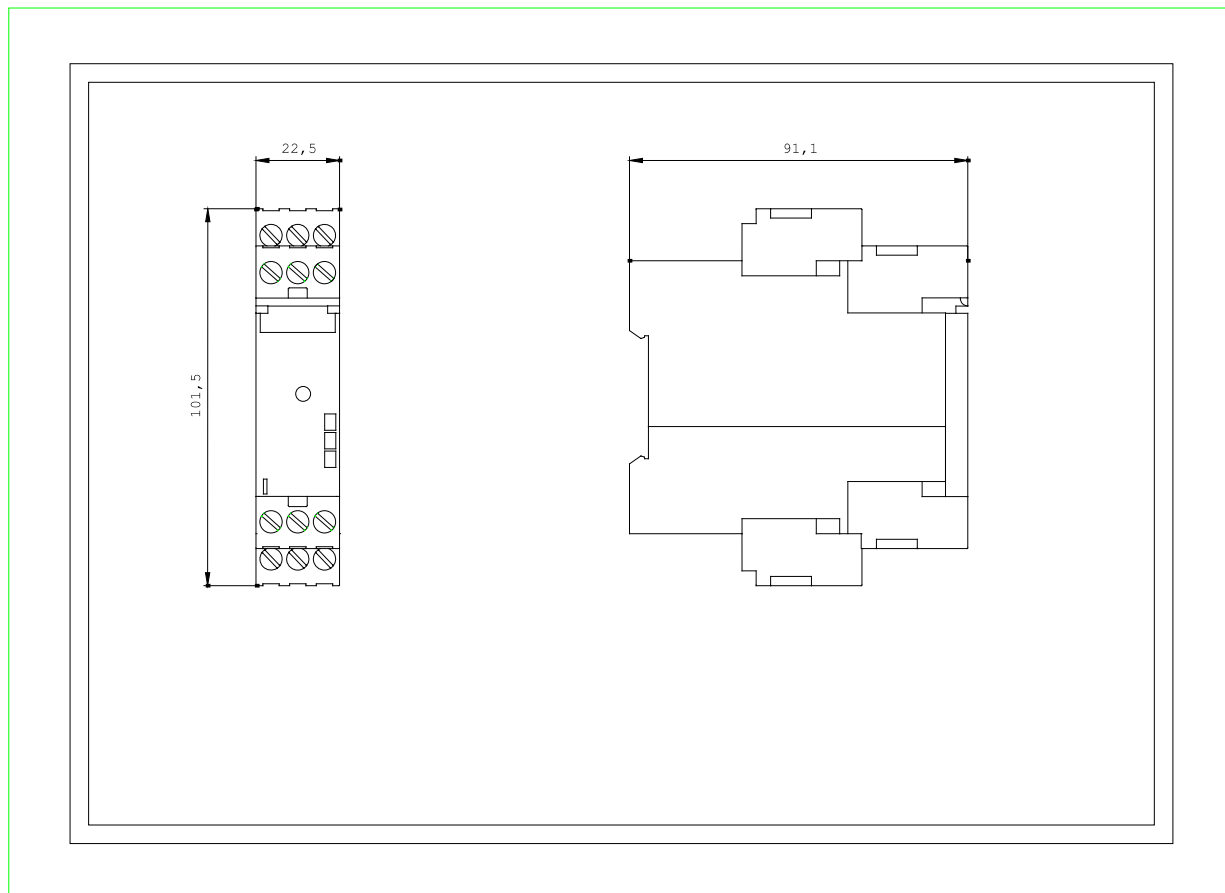
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1402-0BE00-0AA2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1402-0BE00-0AA2



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