



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 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 • at signal <0> / maximum	mA	5
	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 • at 110 V • at 230 V • at AC-15 / at 230 V / at 50/60 Hz	A	1
	A	0.2
	A	0.1
	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 • induction protection • watchdog		external back-up fuse required
		does not apply
		built-in
Status display		

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

• D0		IN1
• D1		IN2
• D2		OUT1
• D3		OUT2

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	103
Depth	mm	86
Mounting type		35 mm standard rail mounting or wall mounting using push-in lugs
Conductor cross-section		
• solid		2 x (0.25 - 1.5) mm ²
• finely stranded		
• with end sleeve		2 x (0.25 - 1) mm ²
• without end sleeve		2 x (0.25 - 1.5) mm ²
• AWG / solid or stranded		AWG 2 x (24 - 16) 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



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

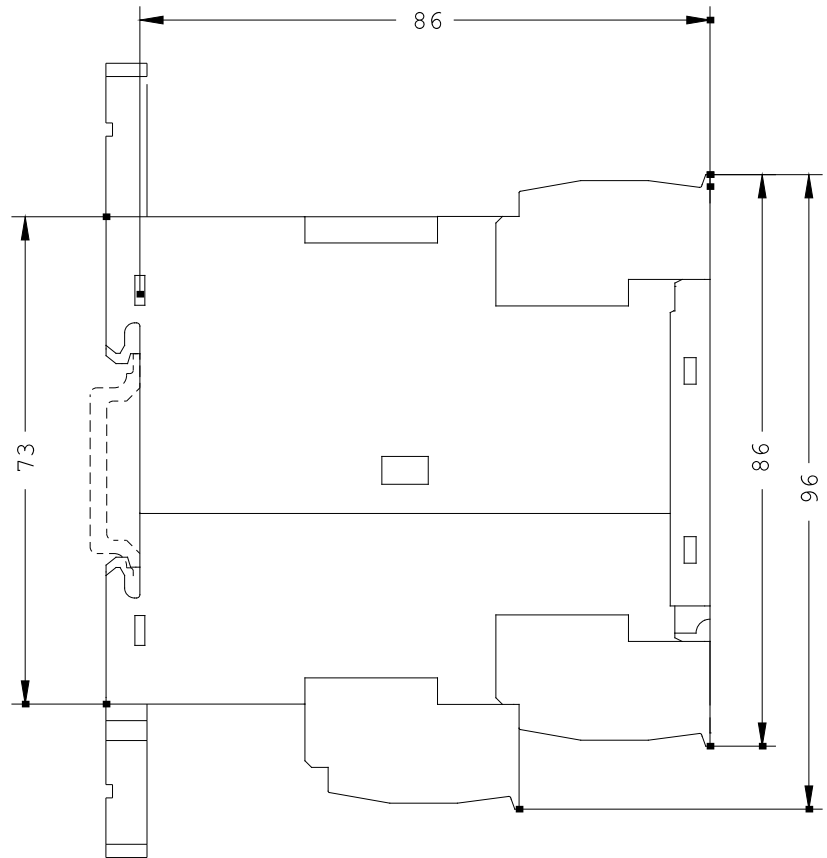
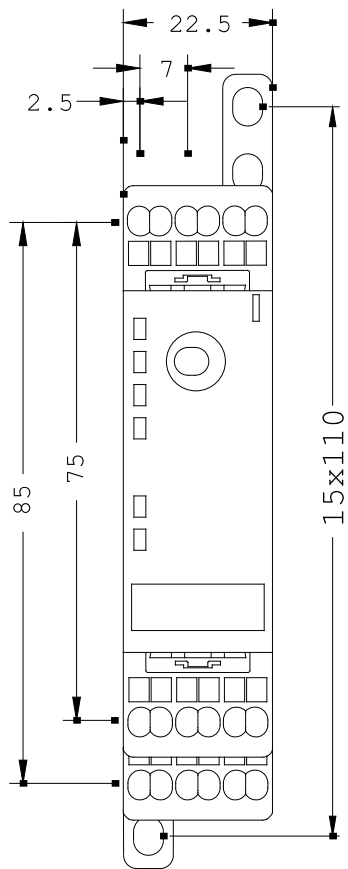
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1402-0BG00-0AA2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1402-0BG00-0AA2



last change:

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