

AS-INTERFACE SLIMLINE MOD. IP20 !!! PHASE-OUT PRODUCT !!! S22.5, DIGITAL, 2I/2OR(RELAY), 2 X 1 INPUT, 2-WIRE, PNP 2 X 1 OUTPUT, RELAY SCREW-TYPE TERMINAL CONNECT., MODULE WIDTH 22.5 MM



Figure similar

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
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

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

#### Inputs:

Number of digital inputs		2
Type of connection		2-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		
• for signal <1> minimum	mA	5
• with signal <0> maximum	mA	1.5
Inputs sensor supply using AS-Interface		short-circuit and overload resistant

#### Outputs:

Number of digital outputs		2
Outputs		
• current carrying capacity I <sub>th</sub>	A	6
Ampacity		
• 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
Type of switching output		relay, changeover floating
Property of the output Short-circuit proof		No
output Polarity reversal protection		does not apply
Outputs		
• short-circuit protection		external back-up fuse required: 6 A gL/gG
• 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		IN1
• D1		IN2
• D2		OUT1
• D3		OUT2

### Ambient conditions:

<b>Ambient temperature</b>		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
<b>Protection class IP</b>		IP20

### Mechanical data:

<b>Width</b>	mm	22.5
<b>Height</b>	mm	102
<b>Depth</b>	mm	86
<b>Mounting type</b>		35 mm standard rail mounting or wall mounting using push-in lugs
<b>Conductor cross-section</b>		
• solid		1 x (0.5 - 4) or 2 x (0.5 - 2.5)
• finely stranded		
— with end sleeve		1 x (0.5 - 2.5) mm <sup>2</sup> or 2 x (0.5 - 1.5) mm <sup>2</sup>
• AWG solid or stranded		AWG 2 x (20 - 14) mm <sup>2</sup>

### Certificates/ approvals:

<b>AS-Interface certificate</b>		yes (or requested for in case of new units)
<b>Approvals</b>		UL, CSA, shipbuilding (or requested for in case of new units)

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Shipping Approval</b>
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<b>Shipping Approval</b>	<b>other</b>
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LRS



PRS



RINA



RMRS



Asi

[Confirmation](#)

<b>other</b>
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[Environmental Confirmations](#)

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### 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**

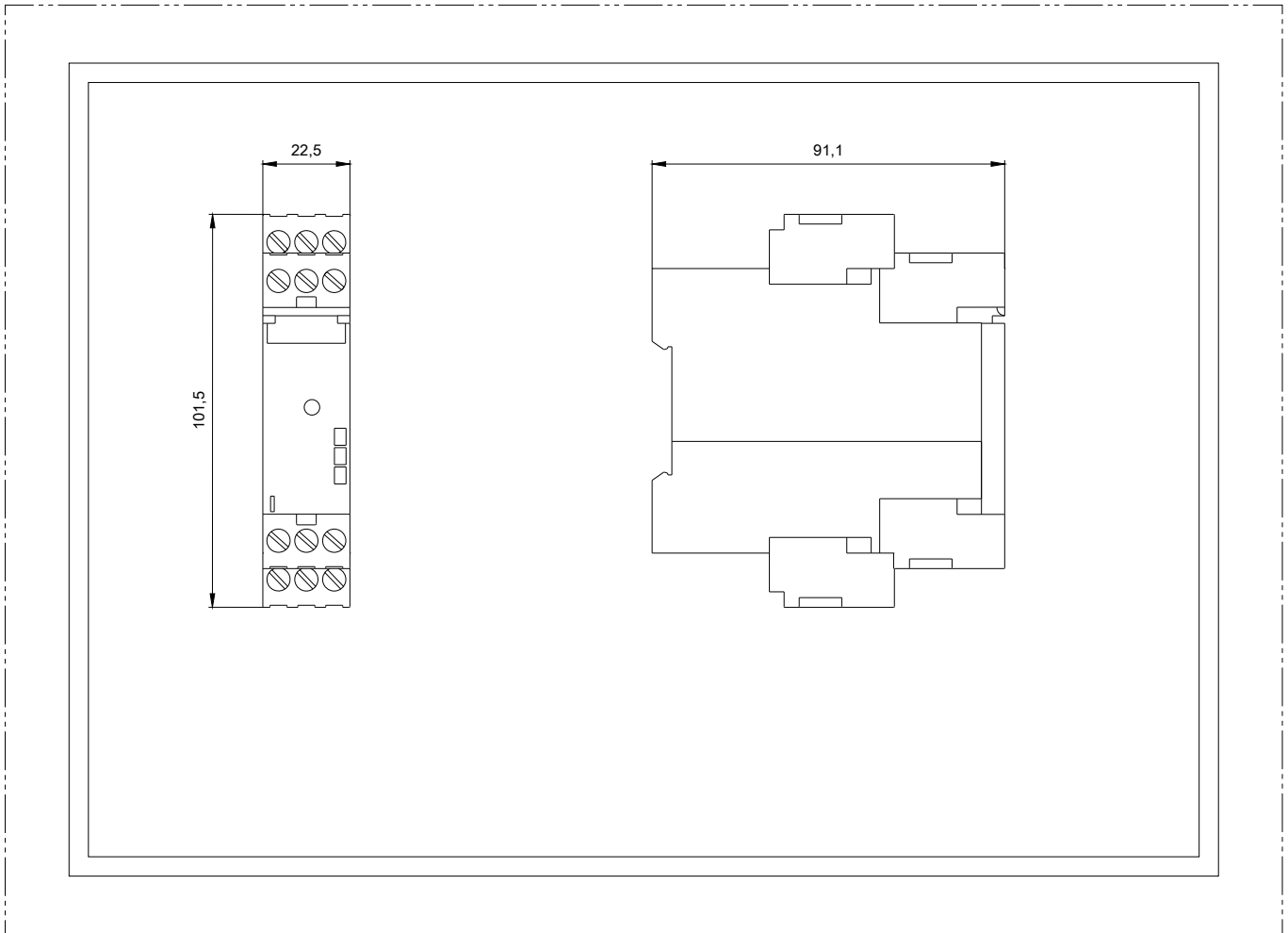
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1402-0BE00-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1402-0BE00-0AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1402-0BE00-0AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1402-0BE00-0AA2&lang=en)



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