

AS-INTERFACE SLIMLINE MOD. S45, !!! PHASE-OUT PRODUCT !!! DIGITAL, 4I/4OR, 2/3-WIRE, IP20 4 X 1 INPUT, 200MA, PNP, 4 X 1 OUTPUT, RELAY, CAGE-CLAMP, MODULE WIDTH 45 MM



Figure similar

General technical data:		
Design of the product		SlimLine S22.5 - I/O modules for operation in the control cabinet
Design of the slave type		standard slave
Type		4 inputs / 4 outputs
I/O configuration		7
ID/ID2 code		0/F
Protocol is supported AS-interface protocol		Yes
AS interface total current input max	mA	270
operating voltage according to AS-Interface spezifikation	V	26.5 ... 31.6
Addressing		front addressing socket
Type of electrical connection of the inputs and outputs		spring-loaded 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

<b>Note 1</b>		detachment tool for spring-loaded terminal connection: See Accessories
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### Sensor supply:

<b>Type of voltage supply for power supply</b>		using AS-Interface
<b>Input voltage</b>	V	20 ... 30
<b>Property of the sensor supply Short-circuit and overload resistant</b>		Yes
<b>Ampacity of the sensor supply for all inputs</b>		
<ul style="list-style-type: none"> <li>at ambient temperature 40 °C</li> </ul>	mA	200

### Inputs:

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

### Outputs:

<b>Number of digital outputs</b>		4
<b>Outputs</b>		
<ul style="list-style-type: none"> <li>current carrying capacity I<sub>th</sub></li> </ul>	A	5
<b>Ampacity</b>		
<ul style="list-style-type: none"> <li>of the output relay <ul style="list-style-type: none"> <li>at DC-13 <ul style="list-style-type: none"> <li>at 24 V</li> <li>at 110 V</li> <li>at 230 V</li> </ul> </li> <li>at AC-15 at 230 V at 50/60 Hz</li> </ul> </li> </ul>	A	1 0.2 0.1 3
<b>Type of switching output</b>		relay, changeover floating
<b>Property of the output Short-circuit proof</b>		No
<b>output Polarity reversal protection</b>		does not apply
<b>Outputs</b>		
<ul style="list-style-type: none"> <li>short-circuit protection</li> <li>induction protection</li> <li>watchdog</li> </ul>		external back-up fuse required: 6 A gL/gG does not apply built-in
<b>Status display</b>		
<ul style="list-style-type: none"> <li>display of I/Os</li> <li>AS-Interface</li> <li>FAULT</li> </ul>		yellow LED green LED red LED
<b>Assignment of data bits</b>		

• D0	IN1/OUT1
• D1	IN2 /OUT2
• D2	IN3/OUT3
• D3	IN4/OUT4

#### 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	45
<b>Height</b>	mm	108
<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		2 x (0.25 - 1.5) mm <sup>2</sup>
• finely stranded		
— with end sleeve		2 x (0.25 - 1) mm <sup>2</sup>
— without end sleeve		2 x (0.25 - 1.5) mm <sup>2</sup>
• AWG solid or stranded		AWG 2 x (24 - 16) 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)

General Product Approval	Declaration of Conformity	Shipping Approval
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Shipping Approval	other
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LRS



PRS



RINA



RMRS



Asi

[Environmental Confirmations](#)

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

**Industry Mall (Online ordering system)**

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

**Cax online generator**

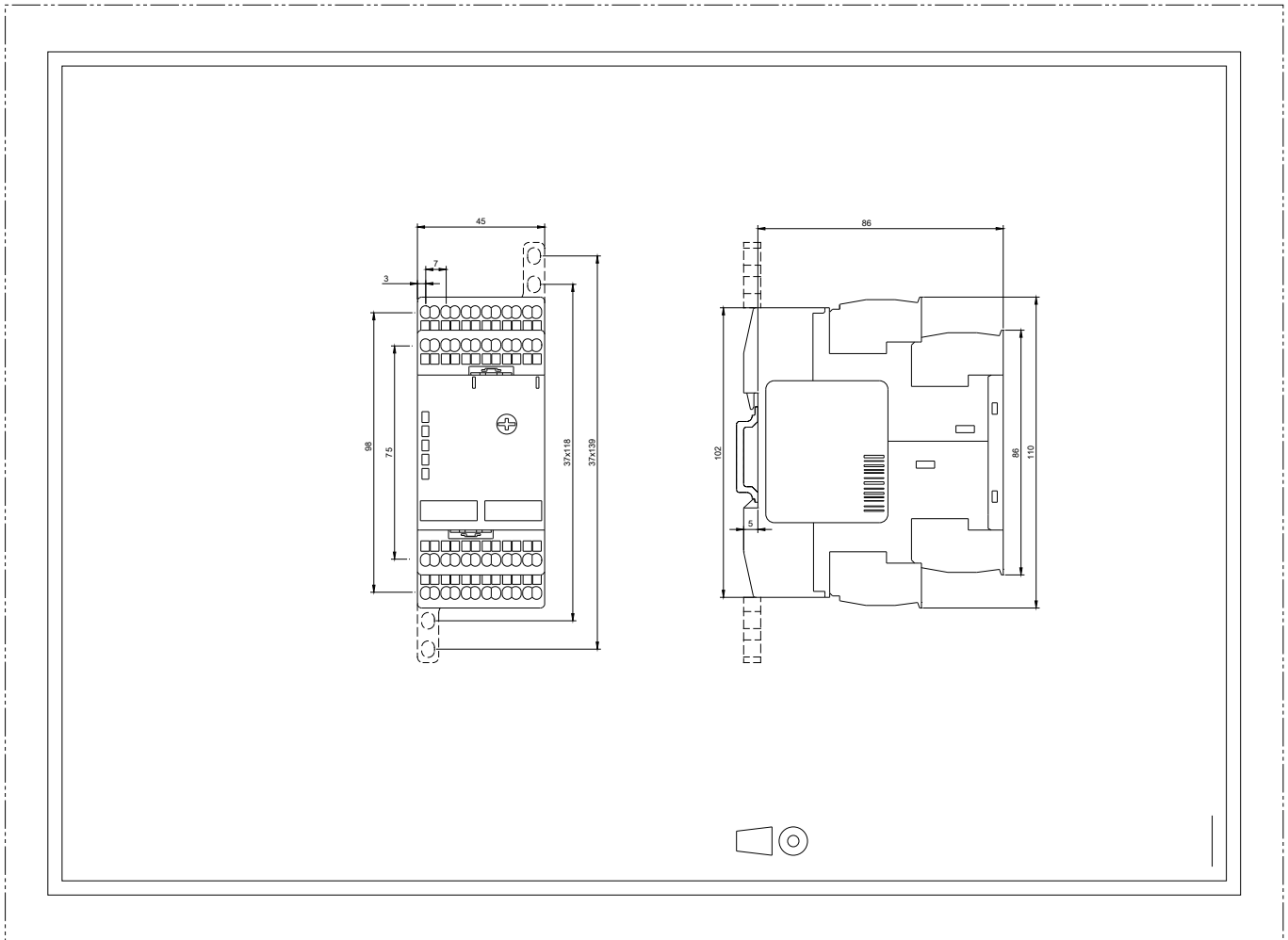
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1402-3CG00-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1402-3CG00-0AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1402-3CG00-0AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1402-3CG00-0AA2&lang=en)



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