

AS-i SlimLine module Phased-out product !!! For further information, please contact our sales department S45, digital 4 DI/4 RQ, IP20 4 x inputs for 3-wire sensor 4 x 1 output, Relay, Screw terminals Overall width 45 mm

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 specification	V	26.5 ... 31.6
Addressing		front addressing socket
type of 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		A
reference code according to EN 61346-2		K
Sensor supply		
type of voltage supply for sensor supply		using AS-Interface
input voltage	V	20 ... 30
property of the sensor supply short-circuit and overload resistant		Yes
ampacity of the sensor supply for all inputs		
• at ambient temperature 40 °C	mA	200
Inputs		
number of digital inputs		4
type of connection technology		2- and 3-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		4
Outputs		
• current carrying capacity Ith	A	5
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		

<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>		
<ul style="list-style-type: none"> <li>D0</li> <li>D1</li> <li>D2</li> <li>D3</li> </ul>		IN1/OUT1 IN2 /OUT2 IN3/OUT3 IN4/OUT4

#### Ambient conditions

<b>ambient temperature</b>		
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	°C °C	-25 ... +70 -40 ... +85
<b>protection class IP</b>		IP20

#### Mechanical data

<b>width</b>	mm	45
<b>height</b>	mm	106
<b>depth</b>	mm	86
<b>fastening method</b>		35 mm standard rail mounting or wall mounting using push-in lugs
<b>Conductor cross-section</b>		
<ul style="list-style-type: none"> <li>solid</li> <li>finely stranded</li> <li>— with end sleeve</li> <li>AWG solid or stranded</li> </ul>		1 x (0.5 - 4) mm <sup>2</sup> or 2 x (0.5 - 2.5) mm <sup>2</sup>  1 x (0.5 - 2.5) mm <sup>2</sup> or 2 x (0.5 - 1.5) mm <sup>2</sup> AWG 2 x (20 - 14) mm <sup>2</sup>

#### Certificates/ approvals

General Product Approval	EMV
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[KC](#)

Maritime application	other	Environment	Industrial Communication
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[Confirmation](#)

[Miscellaneous](#)

[Environmental Confirmations](#)



#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1402-3CE00-0AA2>

Cax online generator

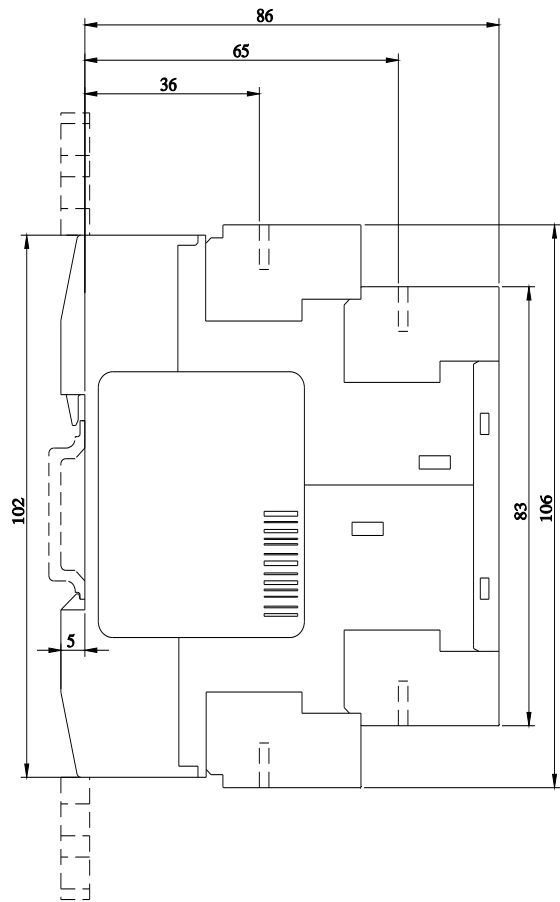
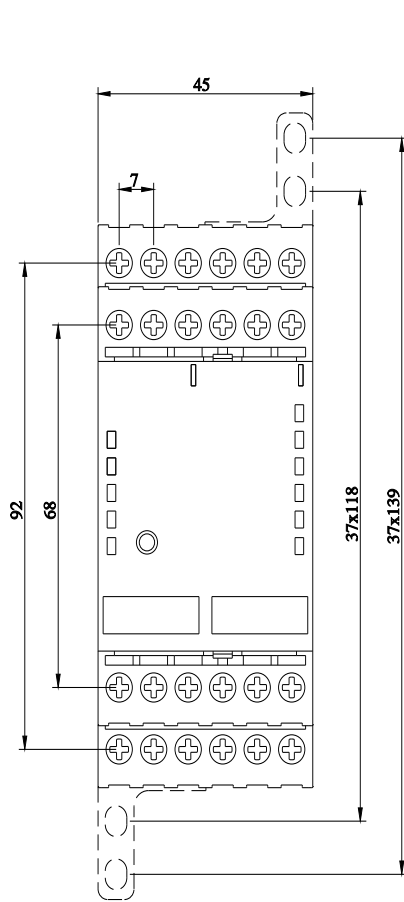
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1402-3CE00-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1402-3CE00-0AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1402-3CE00-0AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1402-3CE00-0AA2&lang=en)



last modified:

5/12/2025 