



AS-i SlimLine module Phased-out product !!! For further information, please contact our sales department S22.5 digital 2DI/2RQ, IP20 2 x input for 3-wire sensor 2 x 1 output, Relay, spring-type terminals Overall 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 spezifikation	V	26.5 ... 31.6
Addressing		front addressing socket
Type of electrical connection of the inputs and outputs		spring-loaded terminals
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Reference code acc. to DIN EN 61346-2		K

Note 1		detachment tool for spring-loaded terminal connection: See Accessories
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 _{th}	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
- D2
- D3

IN2
OUT1
OUT2

Ambient conditions

Ambient temperature

- during operation
- during storage

°C

-25 ... +70

°C

-40 ... +85

Protection class IP

IP20

Mechanical data

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
- finely stranded
 - with end sleeve
 - without end sleeve
- AWG solid or stranded

2 x (0.25 - 1.5) mm²

2 x (0.25 - 1) mm²

2 x (0.25 - 1.5) mm²

AWG 2 x (24 - 16) mm²

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



CSA



UL



RCM



EG-Konf.

[Miscellaneous](#)

Shipping Approval



ABS



BUREAU
VERITAS



LRS



PRS



RINA



RMRS

other

[Confirmation](#)

[Miscellaneous](#)



ASi

Further information

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=3RK1402-0BG00-0AA2>

Cax online generator

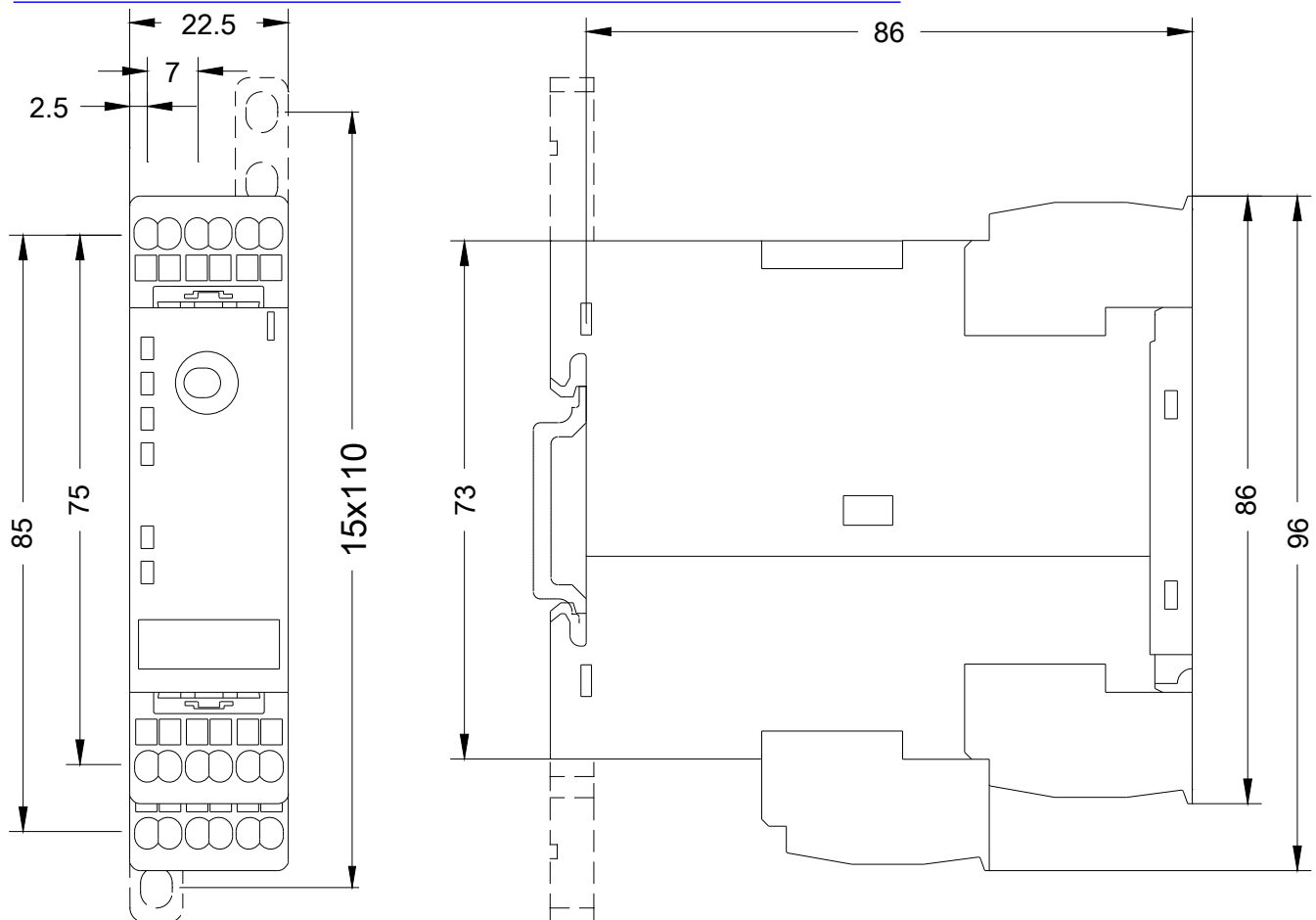
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1402-0BG00-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1402-0BG00-0AA2>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1402-0BG00-0AA2&lang=en



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