



AS-INTERFACE SLIMLINE MODULE, S22.5, DIGITAL, 2I/2O, IP20, 2 X 1 INPUT, 2-WIRE, PNP 2 X 1OUTP., ELECTR., 2A, DC 24V SCREW-TYPE TERMINAL CONNECT. 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 spezification	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

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.
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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
Type of voltage of output voltages		DC
Output voltage at DC at 24 V	V	22 ... 24
Outputs external power supply 24 V DC		using terminals: Terminal 7= L+, Terminal 10 = M
Outputs		
• aggregate current max	A	4
Ampacity		
• of the semiconductor output at DC-13 at 24 V	A	2
Type of switching output		PNP transistor
Property of the output Short-circuit proof		Yes
output Polarity reversal protection		not installed
Outputs		
• short-circuit protection		built-in
• induction protection		built-in
• 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
- D3

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

102

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
- AWG solid or stranded

1 x (0.5 - 4) or 2 x (0.5 - 2.5)

1 x (0.5 - 2.5) mm² or 2 x (0.5 - 1.5) mm²

AWG 2 x (20 - 14) mm²

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	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
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CSA



UL



[sonstig](#)



EG-Konf.

[spezielle Prüfbescheinigungen](#)

[n](#)

Shipping Approval



ABS



BUREAU VERITAS



LRS



PRS



RINA



RMRS

other



ASi

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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

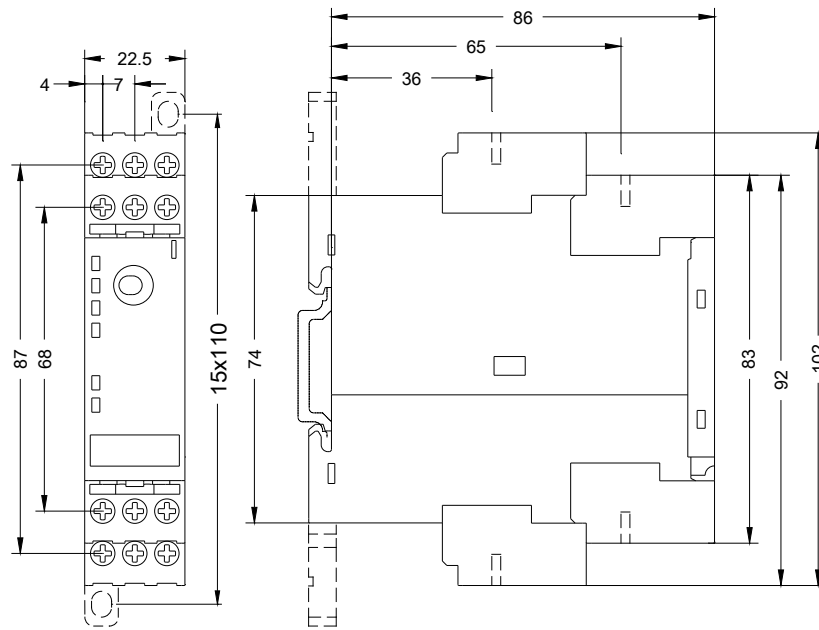
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-0BE00-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-0BE00-0AA2>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-0BE00-0AA2&lang=en



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