



AS-i SlimLine module Phased-out product !!! For further information, please contact our sales department S45 digital, A/B slave 4 DI/4 DQ, IP20 4 x inputs for 3-wire sensor 4 x output, 2 A, 24 V DC maximal 4 A for all outputs 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		A/B slave (Spec. 3.0)
Type		4 inputs / 4 outputs
I/O configuration		7
ID/ID2 code		A/7
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 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		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
Ampacity of the sensor supply for all inputs <ul style="list-style-type: none"> at ambient temperature 40 °C 	mA	200

Inputs

Number of digital inputs		4
Type of connection		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 <ul style="list-style-type: none"> for signal <1> minimum with signal <0> maximum 	mA mA	5 000 1.5
Inputs sensor supply using AS-Interface		short-circuit and overload resistant

Outputs

Number of digital outputs		4
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 13 = L+, Terminal 19 = M
Outputs <ul style="list-style-type: none"> aggregate current max 	A	4
Ampacity <ul style="list-style-type: none"> of the semiconductor output at DC-13 at 24 V 	A	2
Type of switching output		solid state
Property of the output Short-circuit proof		Yes
output Polarity reversal protection		built-in
Outputs <ul style="list-style-type: none"> short-circuit protection induction protection watchdog 		built-in built-in built-in
Status display <ul style="list-style-type: none"> display of I/Os AS-Interface FAULT 		yellow LED green LED red LED
Assignment of data bits		

- D0
- D1
- D2
- D3

IN1/OUT1
IN2 /OUT2
IN3/OUT3
IN4/OUT4

Ambient conditions

Ambient temperature

- during operation
- during storage

°C -25 ... +70
°C -40 ... +85

Protection class IP

IP20

Mechanical data

Width

mm 45

Height

mm 106

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) mm² or 2 x (0.5 - 2.5) mm²
1 x (0.5 - 2.5) mm² or 2 x (0.5 - 1.5) mm²
AWG 2 x (20 - 14) mm²

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



[Miscellaneous](#)

Shipping Approval

other



other

[Confirmation](#)

[Miscellaneous](#)

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=3RK2400-1CE01-0AA2>

Cax online generator

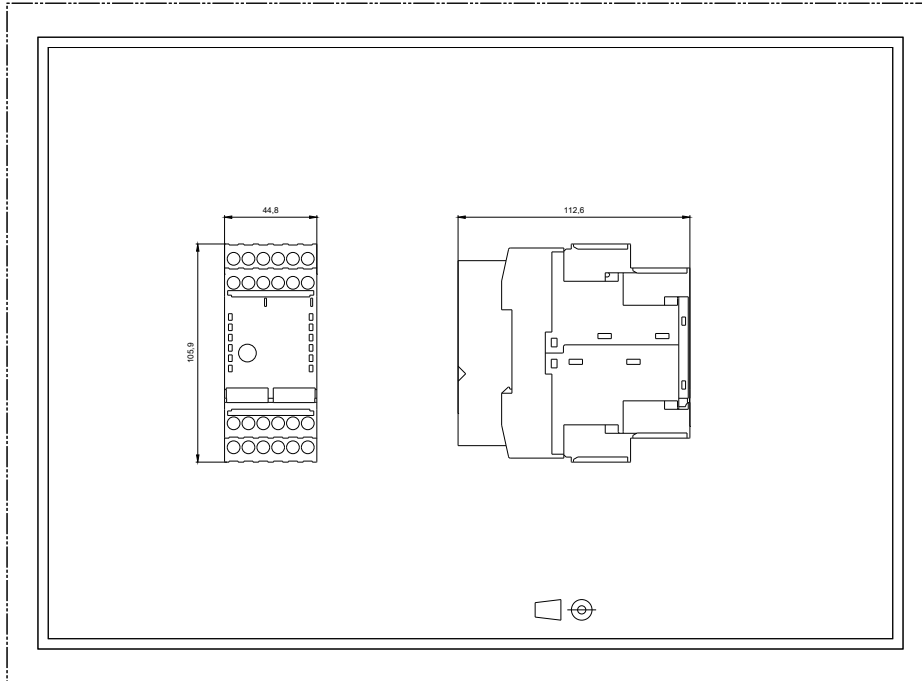
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2400-1CE01-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2400-1CE01-0AA2>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2400-1CE01-0AA2&lang=en



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