



Figure similar

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 spring-type 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		spring-loaded 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
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.
Note 1		detachment tool for spring-loaded terminal connection: See Accessories

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	A	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
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 = I +, Terminal 19 = M

Outputs		
• aggregate current max	A	4
ampacity		
• 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		
• 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/OUT1
• D1		IN2 /OUT2
• D2		IN3/OUT3
• D3		IN4/OUT4

Ambient conditions

ambient temperature		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
protection class IP		IP20

Mechanical data

width	mm	45
height	mm	108
depth	mm	86
fastening method		35 mm standard rail mounting or wall mounting using push-in lugs
Conductor cross-section		
• solid		2 x (0.25 - 1.5) mm ²
• finely stranded		2 x (0.25 - 1) mm ²
— with end sleeve		AWG 2 x (24 - 16) mm ²
• AWG solid or stranded		

Certificates/ approvals

General Product Approval	EMV
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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=3RK2400-1CG01-0AA2>

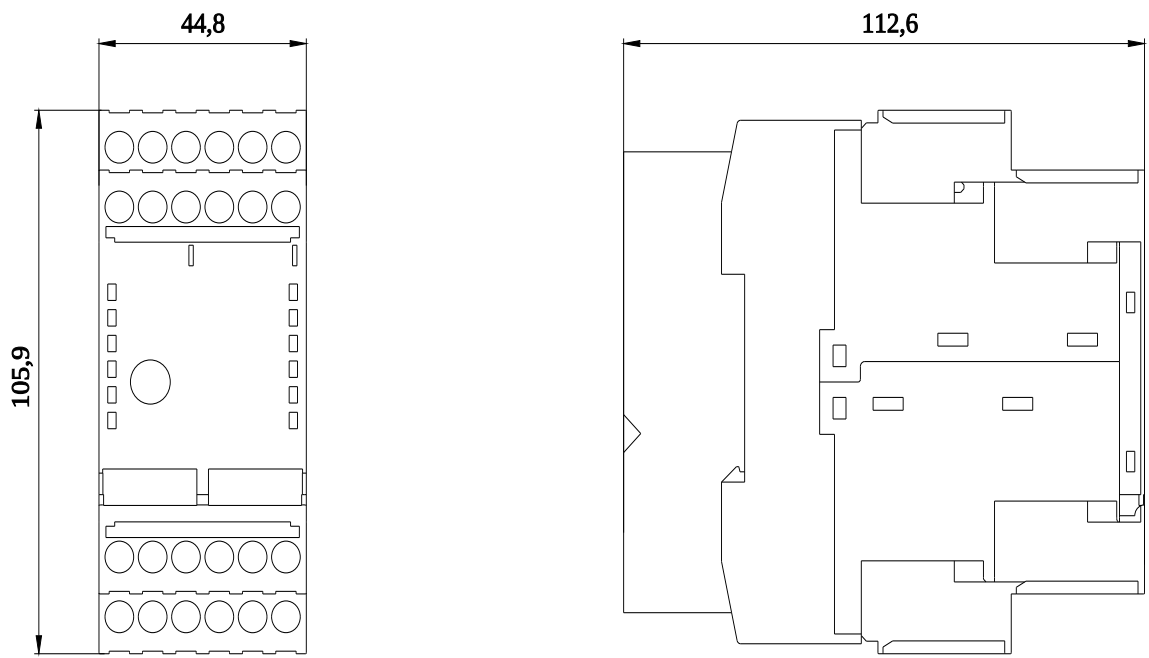
Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2400-1CG01-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2400-1CG01-0AA2>

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



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