SIEMENS

Data sheet **3RK1400-1CE00-0AA2**

AS-i SlimLine module Phased-out product !!! For further information, please contact our sales department S45, digital 4 DI/4 DQ, IP20 4 x inputs for 3-wire sensor 4 x output, 1 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		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 spezification	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
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.

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
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		
● aggregate current max	A	4
ampacity		
● of the semiconductor output at DC-13 at 24 V	A	1
type of switching output		solid state
property of the output short-circuit proof		Yes
output Polarity reversal protection		built-in
Outputs		
● short-ciruit protection		built-in
● induction protection		built-in
● watchdog		built-in
Status display		

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● 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	106
depth	mm	86
fastening method		35 mm standard rail mounting or wall mounting using push-in lugs
Conductor cross-section		
● solid		1 x (0.5 - 4) mm² or 2 x (0.5 - 2.5) mm²
● finely stranded		
— with end sleeve		1 x (0.5 - 2.5) mm² or 2 x (0.5 - 1.5) mm²
● AWG solid or stranded		AWG 2 x (20 - 14) mm²

Certificates/ approvals

General Product Approval	EMV
CE EG-Konf. UK CA UL EAC RCM	KC

Test Certificates	Maritime application	other			Environment
Special Test Certificate	PRS	产品合格 QC PASS	Confirmation	Miscellaneous	Environmental Confirmations

Industrial Communication
ASi

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=3RK1400-1CE00-0AA2
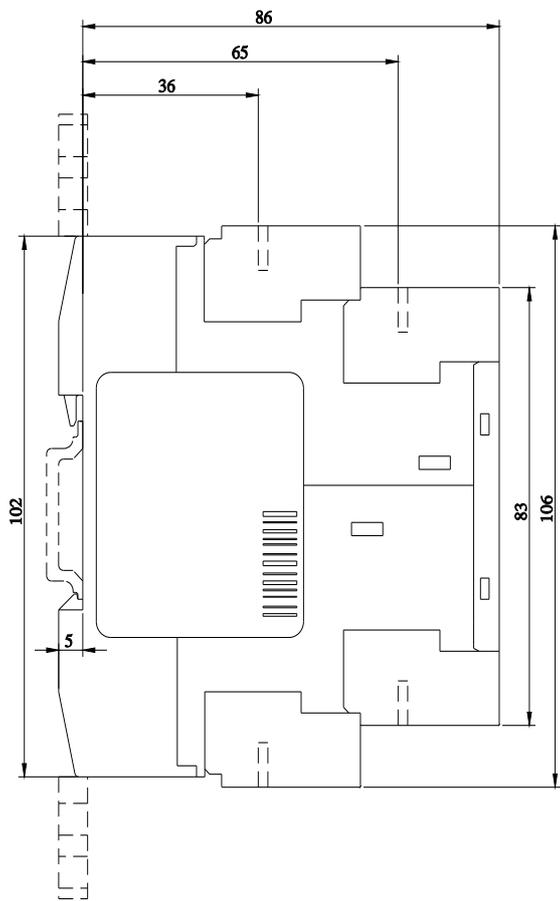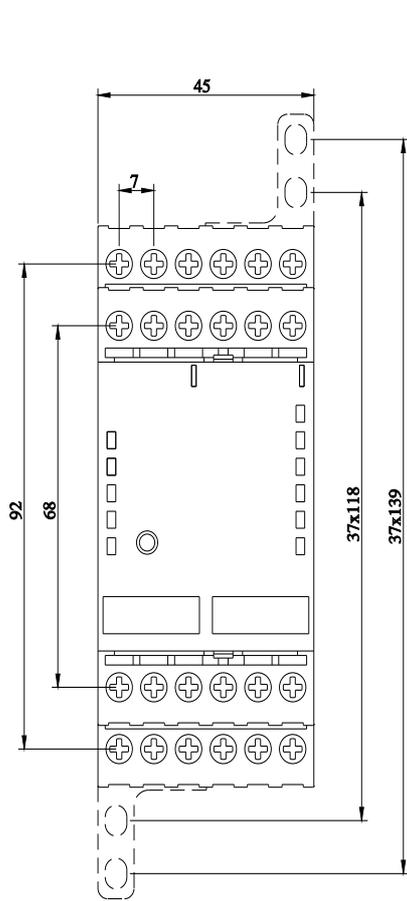
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-1CE00-0AA2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-1CE00-0AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-1CE00-0AA2&lang=en

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