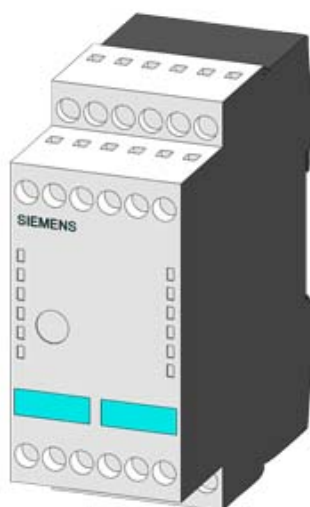




AS-INTERFACE SLIMLINE MOD. S45, DIGITAL, 4I/4O, 2/3-WIRE, IP20 4 X 1 INPUT, 200MA, PNP 4 X 1 OUTPUT, 2A, DC 24V SCREW-TYPE TERMINAL CONNECT. MODULE WIDTH 45 MM

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 specification	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.

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

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	Test Certificates	Shipping Approval
 CSA  GOST  UL  EAC	Special Test Certificate	 ABS

Shipping Approval	other
 BUREAU VERITAS  Lloyd's Register LRS  PRS  RINA  RMRS	Environmental Confirmations

other
Confirmation Declaration of Conformity other

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

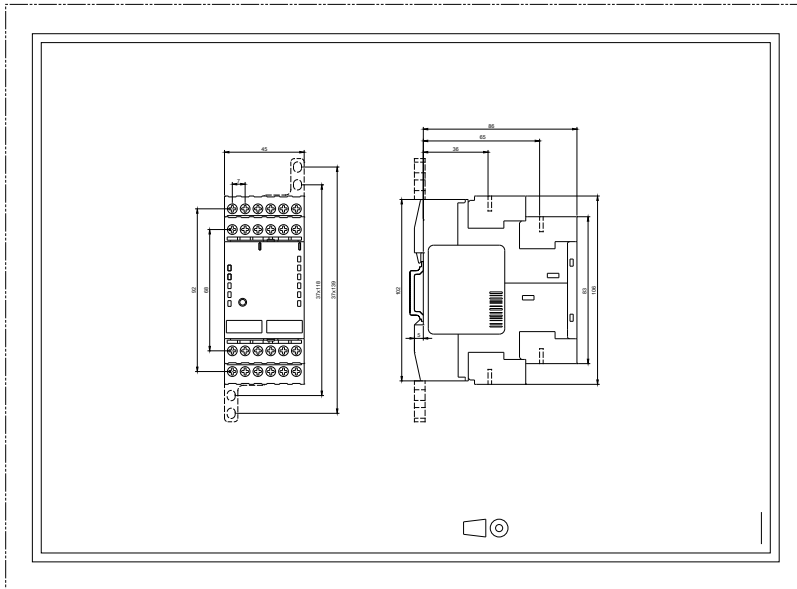
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK14001CE010AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK14001CE010AA2>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK14001CE010AA2&lang=en



last modified:

23.04.2015