

AS-INTERFACE SLIMLINE MOD. S45, DIGITAL,
4I/4OR, 2/3-WIRE, IP20 4 X 1 INPUT, 200MA, PNP, 4 X
1 OUTPUT, RELAY, 6A,UC 230V CAGE-CLAMP,
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		spring-loaded 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 1		detachment tool for spring-loaded terminal connection: See Accessories

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 • with signal <0> maximum	mA mA	5 1.5

Inputs sensor supply using AS-Interface		short-circuit and overload resistant
Outputs:		
Number of digital outputs		4
Output voltage at DC at 24 V	V	22 ... 24
Outputs		
• current carrying capacity I _{th}	A	5
Ampacity		
• of the output relay		
— at DC-13		
— at 24 V	A	1
— at 110 V	A	0.2
— at 230 V	A	0.1
— at AC-15 at 230 V at 50/60 Hz	A	3
Type of switching output		relay, changeover floating
Property of the output Short-circuit proof		No
output Polarity reversal protection		does not apply
Outputs		
• short-circuit protection		external back-up fuse required: 6 A gL/gG
• induction protection		does not apply
• 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
Mounting type		35 mm standard rail mounting or wall mounting using push-in lugs
Conductor cross-section		

- solid
- finely stranded
 - with end sleeve
 - without end sleeve
- AWG solid or stranded

2 x (0.25 - 1.5) mm²

2 x (0.25 - 1) mm²

2 x (0.25 - 1.5) mm²

AWG 2 x (24 - 16) 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

Shipping Approval



[sonstig](#)



Shipping Approval

other



other

[Umweltbestätigung](#)

[Bestätigungen](#)

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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

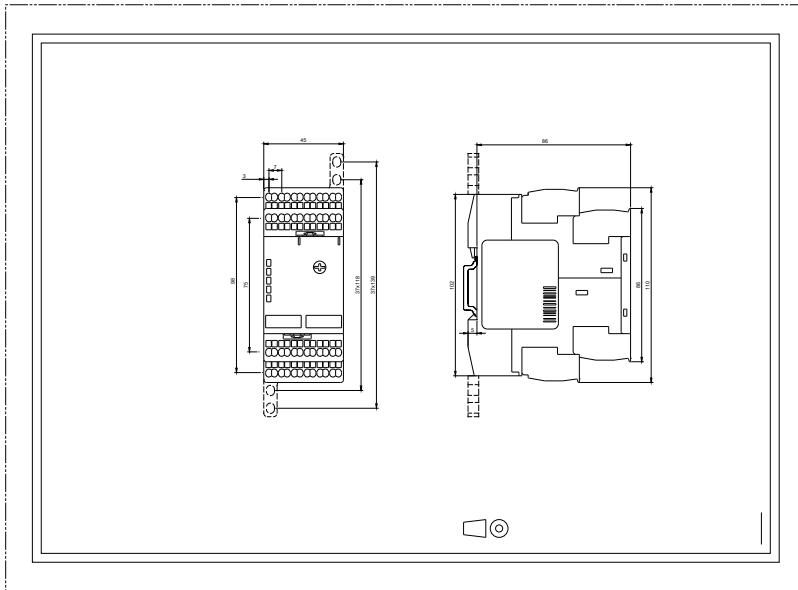
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK14023CG000AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK14023CG000AA2>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK14023CG000AA2&lang=en



last modified:

15.10.2015