

AS-INTERFACE CONTROL CABINET MODULE
SLIMLINE S22.5 A/B SLAVE IP 20 4DI ≤270MA
SPRING-LOADED TERMINAL

General technical data:

Design of the product		SlimLine S22.5 - I/O modules for operation in the control cabinet, IP20
Design of the slave type		A/B slave
Type		4 inputs
I/O configuration		0
ID/ID2 code		A/0
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		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 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 1.5
Inputs sensor supply using AS-Interface		short-circuit and overload resistant

Outputs:

Number of digital outputs		0
Output voltage for DC at 24 V	V	22 ... 24
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 <ul style="list-style-type: none"> • D0 • D1 • D2 • D3 		IN1 IN2 IN3 IN4

Ambient conditions:

Ambient temperature <ul style="list-style-type: none"> • during operation • during storage 	°C °C	-25 ... +70 -40 ... +85
Protection class IP		IP20

Mechanical data:

Width	mm	22.5
Height	mm	103
Depth	mm	86
Mounting type		35 mm standard rail mounting or wall mounting using push-in lugs
Conductor cross-section <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> — with end sleeve 		2 x (0.25 - 1.5) mm ² 2 x (0.25 - 1) mm ²

- without end sleeve
- AWG solid or stranded

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 Shipping Approval



Shipping Approval other



[Confirmation](#)

[Declaration of Conformity](#)

other

[Environmental Confirmations](#) [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

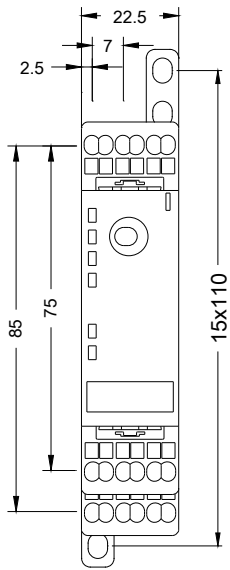
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK22000CG020AA2>

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

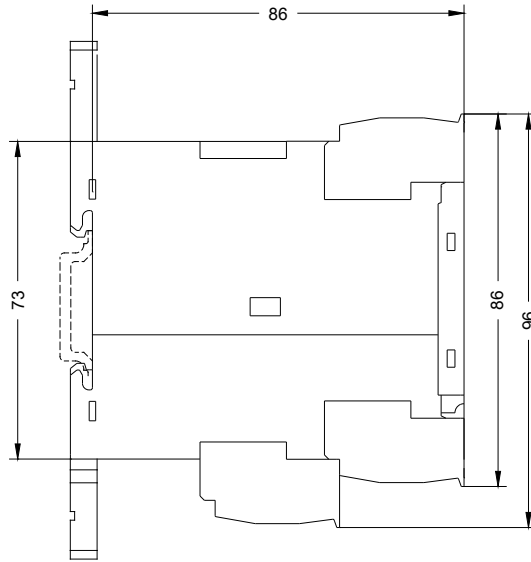
<http://support.automation.siemens.com/WW/view/en/3RK22000CG020AA2/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK22000CG020AA2&lang=en>



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