



AS-INTERFACE SLIMLINE MODULE, S22.5,
DIGITAL, 2I/2O, IP20, 2 X 1 INPUT,
2-WIRE, PNP 2 X 1 OUTPUT, ELECTR., 2A,
DC 24V SCREW-TYPE TERMINAL CONNECT. MODULE
WIDTH 22.5 MM

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		standard slave
Type		2 inputs / 2 outputs
I/O configuration		3
ID/ID2 code		0/F
Protocol / is supported / AS interface protocol		Yes
AS interface / total current input / max	mA	50
operating voltage • according to AS-Interface specification	V	26.5 ... 31.6
Addressing		front addressing socket
Design of the 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 • according to DIN EN 61346-2		A 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 the sensor supply		using AS-Interface
Input voltage	V	20 ... 30
Characteristic feature of the sensor supply / short-circuit and overload resistant		Yes
Inputs:		
Number of digital inputs		2
Type of connection		2-wire technology
Input circuit		PNP transistor
Type of / input voltages		DC
Inputs / switching level High / min	V	10
Input current / at the digital input		
• for signal <1> / minimum	mA	5
• at signal <0> / maximum	mA	1.5
Inputs / sensor supply using AS-Interface		short-circuit and overload resistant
Outputs:		
Number of digital outputs		2
Voltage type / of output voltages		DC
Output voltage / at 24 V		
• for DC	V	22 ... 24
Outputs / external power supply 24 V DC		using terminals: Terminal 7= L+, Terminal 10 = M
Outputs		
• aggregate current / max	A	4
Current-carrying capacity		
• of the semiconductor output / at DC-13 / at 24 V	A	2
Design of the switching output		PNP transistor
Characteristic feature of the output / short-circuit protected		Yes
output / Polarity reversal protection		not installed
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
• D1	IN2
• D2	OUT1
• D3	OUT2

Ambient conditions:

Ambient temperature		
• during operating	°C	-25 ... +70
• during storage	°C	-40 ... +85
Protection class IP		IP20

Mechanical design:

Width	mm	22.5
Height	mm	102
Depth	mm	86
Mounting type		35 mm standard rail mounting or wall mounting using push-in lugs
Conductor cross-section		
• solid		1 x (0.5 - 4) or 2 x (0.5 - 2.5)
• finely stranded		
• with end sleeve		1 x (0.5 - 2.5) mm ² or 2 x (0.5 - 1.5) mm ²
• AWG / solid or stranded		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



[Special Test Certificate](#)

Shipping Approval



other

[Confirmation](#)

[Declaration of Conformity](#)

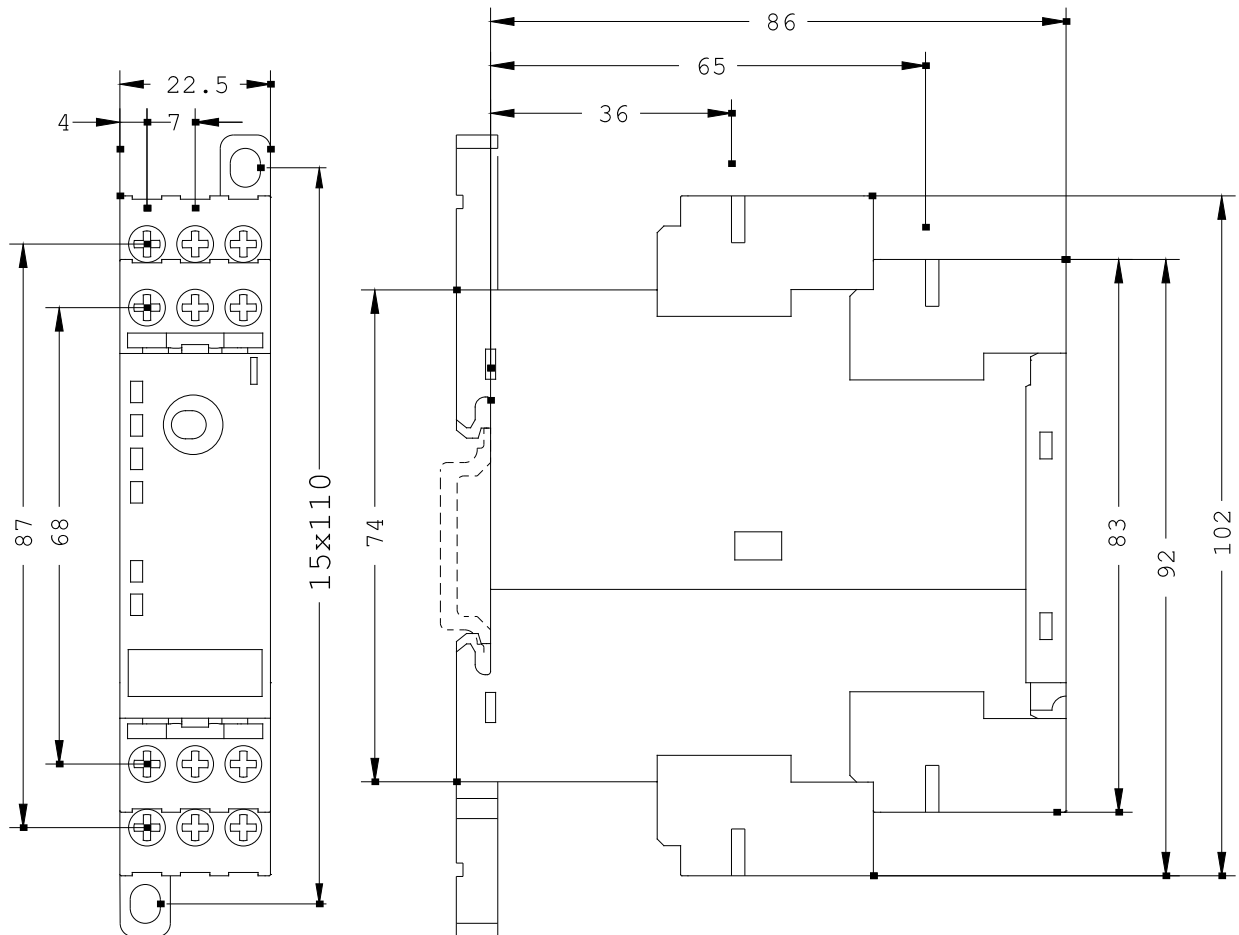
[other](#)

[Environmental Confirmations](#)

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>



last change:

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