

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 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
Design of the electrical connection / of the inputs and outputs		spring-loaded 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.
Note 1		detachment tool for spring-loaded terminal connection: See Accessories

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
Current carrying capacity / of the sensor supply / for all inputs • at ambient temperature 40 °C	mA	200

Inputs:

Number of digital inputs		4
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Type of connection		2- and 3-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 • at 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
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 13 = L+, Terminal 19 = 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		solid state
Characteristic feature of the output / short-circuit protected		Yes
output / Polarity reversal protection		built-in
Outputs • short-circuit protection • induction protection • watchdog		built-in built-in built-in

Status display		
• display of I/Os • AS-Interface • FAULT		yellow LED green LED red LED

Assignment of data bits		
• D0 • D1 • D2 • D3		IN1/OUT1 IN2 /OUT2 IN3/OUT3 IN4/OUT4

Ambient conditions:		
Ambient temperature • during operating	°C	-25 ... +70

• during storage	°C	-40 ... +85
Protection class IP		IP20

Mechanical design:		
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		2 x (0.25 - 1.5) mm ²
• finely stranded		
• with end sleeve		2 x (0.25 - 1) mm ²
• without end sleeve		2 x (0.25 - 1.5) mm ²
• AWG / solid or stranded		AWG 2 x (24 - 16) mm ²

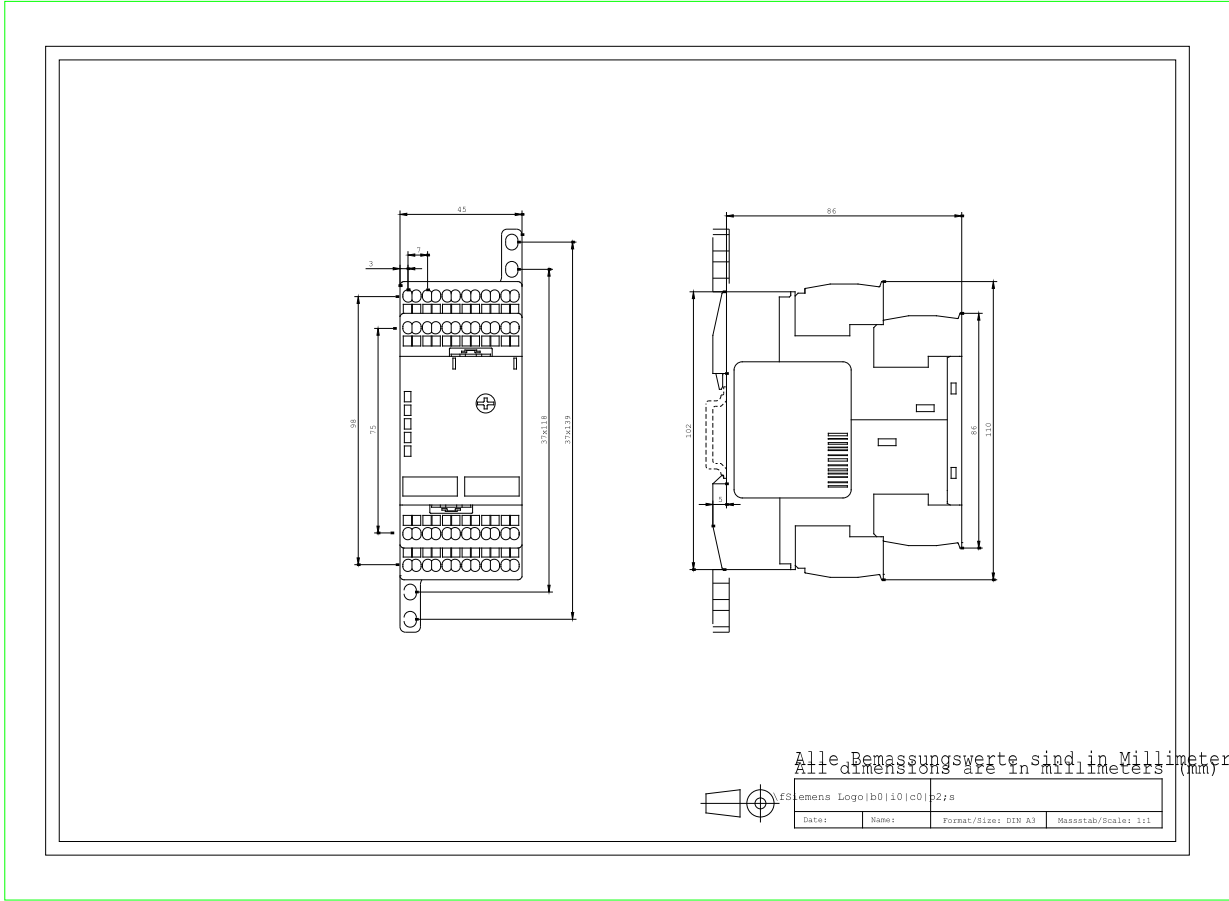
Certificates/approvals:		
AS-Interface certificate		yes (or requested for in case of new units)
Approvals		UL, CSA, shipbuilding (or requested for in case of new units)

General Product Approval				Test Certificates
 CSA		 GOST	 UL	Special Test Certificate

Shipping Approval					
 ABS	 BUREAU VERITAS	 LRS	 PRS	 RINA	 RMRS

other			
Confirmation	Declaration of Conformity	other	Environmental Confirmations

Further information:
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs
Industry Mall (Online ordering system) http://www.siemens.com/industrial-controls/mall
CAX-Online-Generator http://www.siemens.com/cax
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RK1400-1CG01-0AA2/all
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1400-1CG01-0AA2



last change:

Jul 21, 2014