

AS-i SlimLine module Phased-out product !!! For further information, please contact our sales department S45, digital 4 DI/4 DQ, IP20 4 x inputs for 3-wire sensor 4 x output, 2 A, 24 V DC maximal 4 A for all outputs spring-type terminals Overall 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
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		A
reference code according to 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 sensor 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 technology		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 at 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 • watchdog		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 operation • during storage	°C °C	-25 ... +70 -40 ... +85
protection class IP		IP20

Mechanical data		
width	mm	45
height	mm	108
depth	mm	86
fastening method		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) mm ² 2 x (0.25 - 1) mm ² 2 x (0.25 - 1.5) mm ² AWG 2 x (24 - 16) mm ²

Certificates/ approvals		
General Product Approval		EMV

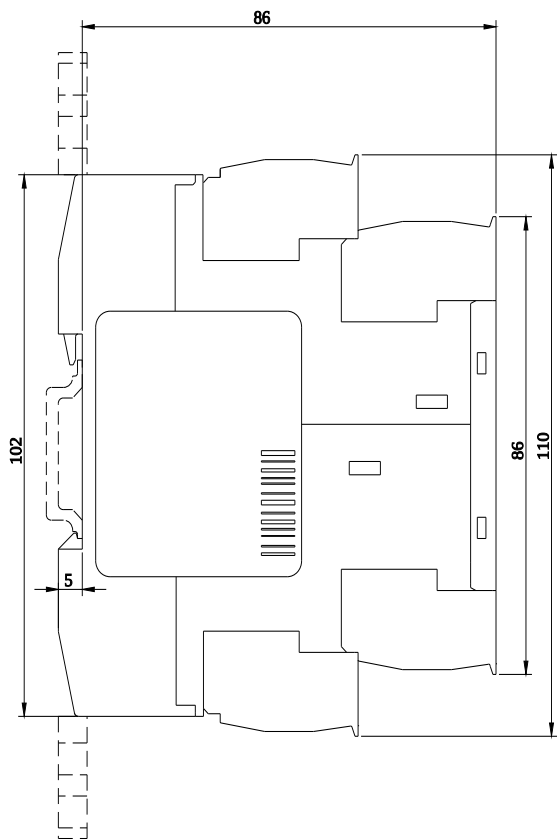
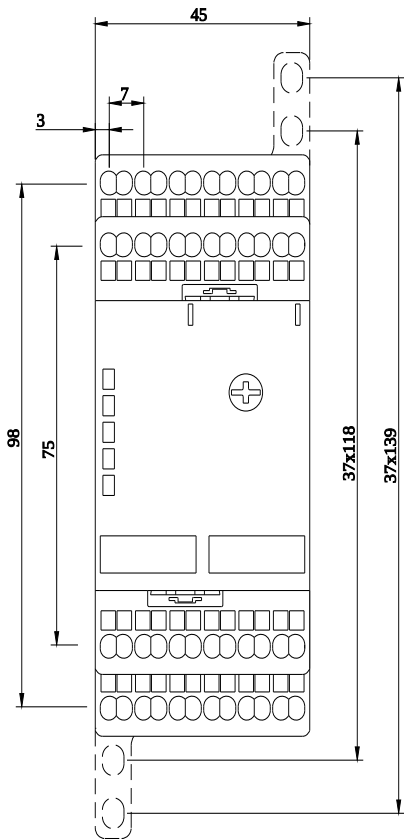


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Test Certificates	Maritime application	other	Environment
Special Test Certificate			Confirmation
			Miscellaneous
			Environmental Confirmations

Industrial Communication


Further information
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1400-1CG01-0AA2 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-1CG01-0AA2 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-1CG01-0AA2



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