

AS-i SlimLine module Phased-out product !!! For further information, please contact our sales department SC22.5 digital 2 DI/2 DQ, IP20 2 x input for 3-wire sensor 2 x output, 2 A, 24 V DC Screw terminals Overall 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
type of 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		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.
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
Inputs		
number of digital inputs		2
type of connection technology		2-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		2
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 7= L+, Terminal 10 = M
Outputs		
• aggregate current max	A	4
ampacity		
• of the semiconductor output at DC-13 at 24 V	A	2
type of switching output		PNP transistor
property of the output short-circuit proof		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

<ul style="list-style-type: none"> <li>AS-Interface</li> <li>FAULT</li> </ul>		green LED red LED
<b>Assignment of data bits</b>		
<ul style="list-style-type: none"> <li>D0</li> <li>D1</li> <li>D2</li> <li>D3</li> </ul>		IN1 IN2 OUT1 OUT2

<b>Ambient conditions</b>		
<b>ambient temperature</b>		
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	°C °C	-25 ... +70 -40 ... +85
<b>protection class IP</b>		IP20

<b>Mechanical data</b>		
<b>width</b>	mm	22.5
<b>height</b>	mm	102
<b>depth</b>	mm	86
<b>fastening method</b>		35 mm standard rail mounting or wall mounting using push-in lugs
<b>Conductor cross-section</b>		
<ul style="list-style-type: none"> <li>solid</li> <li>finely stranded</li> <li>— with end sleeve</li> <li>AWG solid or stranded</li> </ul>		1 x (0.5 - 4) or 2 x (0.5 - 2.5)  1 x (0.5 - 2.5) mm <sup>2</sup> or 2 x (0.5 - 1.5) mm <sup>2</sup> AWG 2 x (20 - 14) mm <sup>2</sup>

<b>Certificates/ approvals</b>	
General Product Approval	EMV



[KC](#)

Test Certificates	Marine / Shipping	other	Environment	Industrial Communication
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[Special Test Certificate](#)



[Confirmation](#)

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**Further information**

**Information on the packaging**  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
**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=3RK1400-0BE00-0AA2>  
**Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-0BE00-0AA2>  
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-0BE00-0AA2>  
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1400-0BE00-0AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-0BE00-0AA2&lang=en)

