

IO-Link module K20, digital 4 DI, IP67, 4x 1 input Sensor supply max. 200 mA 2 x M12 socket Y assignment



General technical data		
Product designation		IO-Link module K20
Design of the product		4 digital inputs
Display version		- as status display of the inputs/outputs - as status display of the input/output link communication - as status display of the input/output link device
Evaluable diagnostic message via input/output link		overload/short-circuit sensor supply, internal error
Protection class IP		IP67
Product function Control circuit interface with IO link		Yes
Type of voltage supply via input/output link master		Yes
Installation altitude at height above sea level maximum	m	4 000
Ambient temperature		- during storage - during operation
EMI immunity acc. to IEC 60947-1	°C	-40 ... +85
EMC emitted interference acc. to IEC 60947-1	°C	-25 ... +70
		ambience A (industrial sector)
		CISPR11, ambience A (industrial sector)

Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Reference code acc. to DIN EN 61346-2		K

Inputs/ Outputs

Number of digital inputs		4
Number of digital outputs		0
Type of parameterization • of the input delay time • of the inverting of the input signal		adjustable for each module (1 ms, 3 ms, 15 ms, 20 ms) adjustable for each input
Ampacity of the sensor supply • maximum • of socket 1 to 4 maximum	mA mA	200 200
Input current at digital input • initial value for signal<1>-recognition • Full-scale value for signal<0> recognition	mA mA	11 1.5
Input voltage at digital input 1 initial value for signal<1>-recognition	V	10

Supply voltage

Type of voltage of the supply voltage		DC
Supply voltage • 1 at DC rated value • at DC rated value — minimum permissible — maximum permissible	V V V	24 18 30

Installation/ mounting/ dimensions

Mounting type		frontal or lateral wall mounting
Width	mm	20
Height	mm	108
Depth	mm	45

Connections/ Terminals

Number of input/output sockets		2
Design of the pin assignment of the inputs		Y assignment
Contact assignment • of socket 1 at PIN 1 • of socket 1 at PIN 2 • of socket 1 at PIN 3 • of socket 1 at PIN 4 • of socket 1 at PIN 5 • of socket 2 at PIN 1 • of socket 2 at PIN 2		sensor supply + IN2 sensor supply - IN1 not assigned sensor supply + IN4

- of socket 2 at PIN 3
- of socket 2 at PIN 4
- of socket 2 at PIN 5

sensor supply -
IN3
not assigned

Certificates/ approvals

Certificate of suitability

CE

General Product Approval

Declaration of Conformity

other



[Miscellaneous](#)

[Confirmation](#)

Further information

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=3RK5010-0BA10-0AA0>

Cax online generator

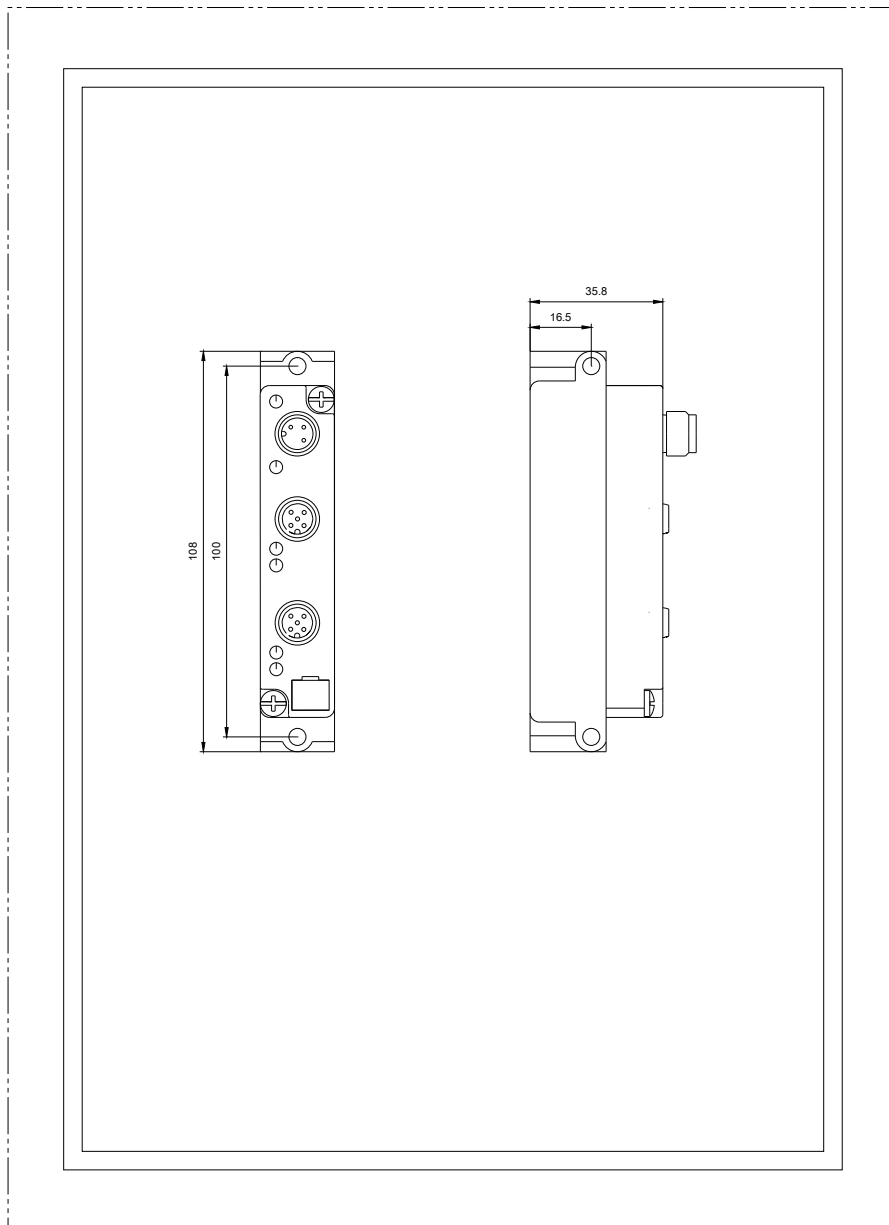
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK5010-0BA10-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK5010-0BA10-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK5010-0BA10-0AA0&lang=en



last modified:

03/06/2020