



!!! phased-out product !!! The preferred successor is 6ES7141-5BF00-0BL0 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		green LED for each channel green/red dual LED
<ul style="list-style-type: none"> 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 		green/red dual LED
evaluative 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		
<ul style="list-style-type: none"> during storage during operation 	°C	-40 ... +85
	°C	-25 ... +70
EMC immunity according to IEC 60947-1		ambience A (industrial sector)
EMC emitted interference according to IEC 60947-1		CISPR11, ambience A (industrial sector)
reference code according to DIN 40719 extended		A
reference code according to IEC 204-2 according to IEC 750		
reference code according to EN 61346-2		K

Inputs/ Outputs

number of digital inputs		4
number of digital outputs		0
type of parameterization		
<ul style="list-style-type: none"> 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
capacity of the sensor supply		
<ul style="list-style-type: none"> maximum of socket 1 to 4 maximum 	mA	200
	mA	200
input current at digital input		
<ul style="list-style-type: none"> initial value for signal<1>-recognition full-scale value for signal<0> recognition 	mA	11
	mA	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		
<ul style="list-style-type: none"> 1 at DC rated value at DC rated value — minimum permissible 	V	24
	V	18

— maximum permissible

V

30

Installation/ mounting/ dimensions

fastening method		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 assignement
contact assignment		
• of socket 1 at PIN 1		sensor supply +
• of socket 1 at PIN 2		IN2
• of socket 1 at PIN 3		sensor supply -
• of socket 1 at PIN 4		IN1
• of socket 1 at PIN 5		not assigned
• of socket 2 at PIN 1		sensor supply +
• of socket 2 at PIN 2		IN4
• of socket 2 at PIN 3		sensor supply -
• of socket 2 at PIN 4		IN3
• of socket 2 at PIN 5		not assigned

Certificates/ approvals

certificate of suitability	CE
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General Product Approval

Declaration of Conformity



[Confirmation](#)



other

[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

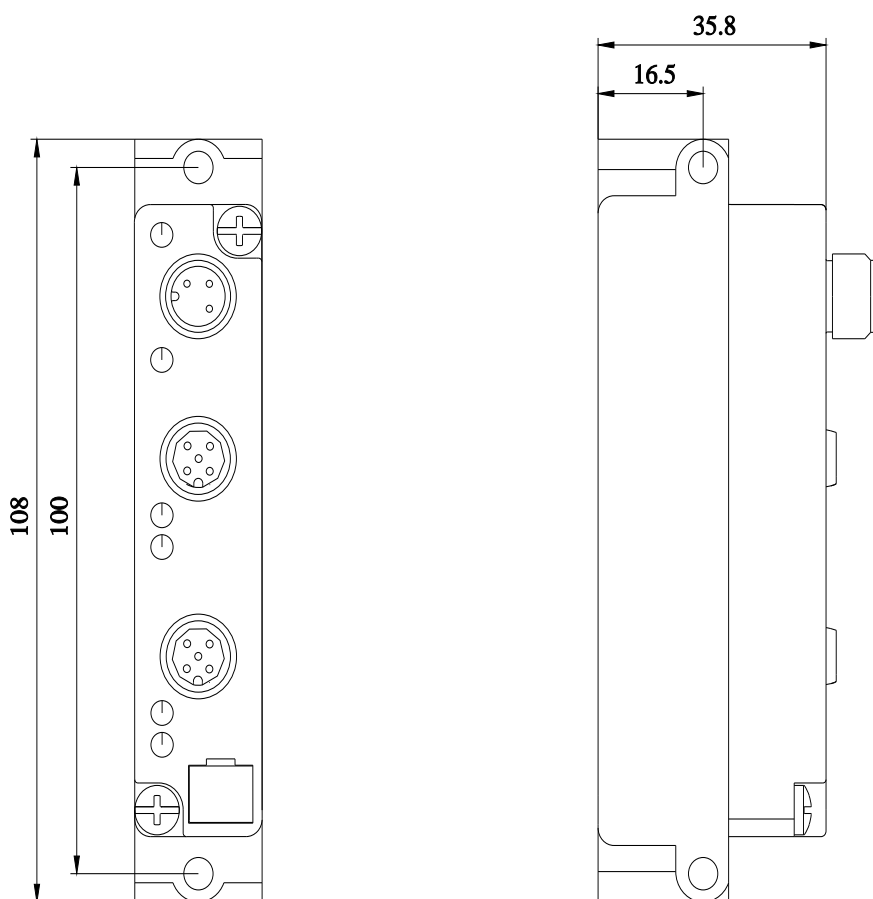
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK5010-0BA10-0AA0>

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



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