## 3RK5010-0CA00-0AA0

**Data sheet** 



!!! phased-out product !!! The preferred successor is 6ES7141-5BF00-0BL0 IO-Link module K20, digital 8 DI, IP67, 8x 1 input sensor supply max. 400 mA 8x M8 socket standard assignment

General technical data				
product designation		IO-Link module K20		
design of the product		8 digital inputs		
display version				
<ul> <li>as status display of the inputs/outputs</li> </ul>		green LED for each channel		
• as status display of the input/output link communication	green/red dual LED			
<ul> <li>as status display of the input/output link device</li> </ul>	green/red dual LED			
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	°C	-40 +85		
during operation	°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 according to IEC 204-2 according to IEC 750		A		
reference code according to EN 61346-2		K		
Inputs/ Outputs				
number of digital inputs		8		
number of digital outputs		0		
type of parameterization				
<ul> <li>of the input delay time</li> </ul>		adjustable for each module (1 ms, 3 ms, 15 ms, 20 ms)		
of the inverting of the input signal		adjustable for each input		
ampacity of the sensor supply				
• maximum	mA	400		
<ul> <li>of socket 1 to 4 maximum</li> </ul>	mA	200		
of socket 5 to 8 maximum	mA	200		
input current at digital input				
<ul><li>initial value for signal&lt;1&gt;-recognition</li></ul>	mA	11		
• full-scale value for signal<0> recognition	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				
• 1 at DC rated value	V	24		
at DC rated value				
— minimum permissible	V	18		

— maximum permissible	V	30		
Installation/ mounting/ dimensions				
fastening method		frontal or lateral wall mounting		
width	mm	20		
height	mm	164		
depth	mm	45		
Connections/ Terminals				
number of input/output sockets		8		
design of the pin assignment of the inputs		standard assignement		
contact assignment				
<ul><li>of socket 1 at PIN 1</li></ul>		sensor supply +		
<ul><li>of socket 1 at PIN 3</li></ul>		sensor supply -		
<ul><li>of socket 1 at PIN 4</li></ul>		IN1		
<ul><li>of socket 2 at PIN 1</li></ul>		sensor supply +		
<ul><li>of socket 2 at PIN 3</li></ul>		sensor supply -		
<ul><li>of socket 2 at PIN 4</li></ul>		IN2		
<ul><li>of socket 3 at PIN 1</li></ul>		sensor supply +		
<ul><li>of socket 3 at PIN 3</li></ul>		sensor supply -		
<ul><li>of socket 3 at PIN 4</li></ul>		IN3		
<ul><li>of socket 4 at PIN 1</li></ul>		sensor supply +		
<ul><li>of socket 4 at PIN 3</li></ul>		sensor supply -		
<ul><li>of socket 4 at PIN 4</li></ul>		IN4		
<ul><li>of socket 5 at PIN 1</li></ul>		sensor supply +		
<ul><li>of socket 5 at PIN 3</li></ul>		sensor supply -		
<ul><li>of socket 5 at PIN 4</li></ul>		IN5		
of socket 6 at PIN 1		sensor supply +		
<ul><li>of socket 6 at PIN 3</li></ul>		sensor supply -		
<ul><li>of socket 6 at PIN 4</li></ul>		IN6		
<ul><li>of socket 7 at PIN 1</li></ul>		sensor supply +		
<ul><li>of socket 7 at PIN 3</li></ul>		sensor supply -		
<ul><li>of socket 7 at PIN 4</li></ul>		IN7		
of socket 8 at PIN 1		sensor supply +		
• of socket 8 at PIN 3		sensor supply -		
of socket 8 at PIN 4		IN8		
Certificates/ approvals				
certificate of suitability		CE		
General Product Approval			EMV	

Confirmation









<u>KC</u>

other Environment

> Confirmation **Environmental Con-**<u>firmations</u>

Information on the packaging

m/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=3RK5010-0CA00-0AA0

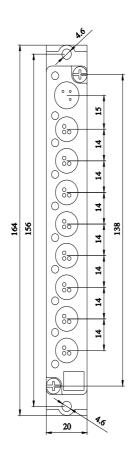
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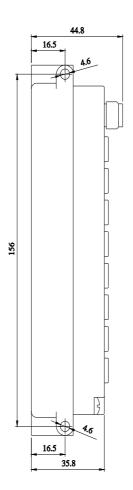
nation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK5010-0CA00-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RK5010-0CA00-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RK5010-0CA00-0AA0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RK5010-0CA00-0AA0&lang=en</a>





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