



!!! 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 design of the product 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 evaluatable diagnostic message via input/output link protection class IP product function control circuit interface with IO link type of voltage supply via input/output link master installation altitude at height above sea level maximum ambient temperature - during storage - during operation EMC immunity according to IEC 60947-1 EMC emitted interference according to IEC 60947-1 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to EN 61346-2		IO-Link module K20 8 digital inputs green LED for each channel green/red dual LED green/red dual LED overload/short-circuit sensor supply, internal error IP67 Yes Yes 4 000 °C -40 ... +85 °C -25 ... +70 ambience A (industrial sector) CISPR11, ambience A (industrial sector) A K
Inputs/ Outputs		
number of digital inputs number of digital outputs type of parameterization - of the input delay time - of the inverting of the input signal ampacity of the sensor supply - maximum - of socket 1 to 4 maximum - of socket 5 to 8 maximum input current at digital input - initial value for signal<1>-recognition - full-scale value for signal<0> recognition input voltage at digital input 1 initial value for signal<1>-recognition		8 0 adjustable for each module (1 ms, 3 ms, 15 ms, 20 ms) adjustable for each input mA 400 mA 200 mA 200 mA 11 mA 1.5 V 10
Supply voltage		
type of voltage of the supply voltage supply voltage 1 at DC rated value - at DC rated value	V	DC 24

- minimum permissible
- maximum permissible

V	18
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 assignment
contact assignment	
• of socket 1 at PIN 1	sensor supply +
• of socket 1 at PIN 3	sensor supply -
• of socket 1 at PIN 4	IN1
• of socket 2 at PIN 1	sensor supply +
• of socket 2 at PIN 3	sensor supply -
• of socket 2 at PIN 4	IN2
• of socket 3 at PIN 1	sensor supply +
• of socket 3 at PIN 3	sensor supply -
• of socket 3 at PIN 4	IN3
• of socket 4 at PIN 1	sensor supply +
• of socket 4 at PIN 3	sensor supply -
• of socket 4 at PIN 4	IN4
• of socket 5 at PIN 1	sensor supply +
• of socket 5 at PIN 3	sensor supply -
• of socket 5 at PIN 4	IN5
• of socket 6 at PIN 1	sensor supply +
• of socket 6 at PIN 3	sensor supply -
• of socket 6 at PIN 4	IN6
• of socket 7 at PIN 1	sensor supply +
• of socket 7 at PIN 3	sensor supply -
• of socket 7 at PIN 4	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

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=3RK5010-0CA00-0AA0>

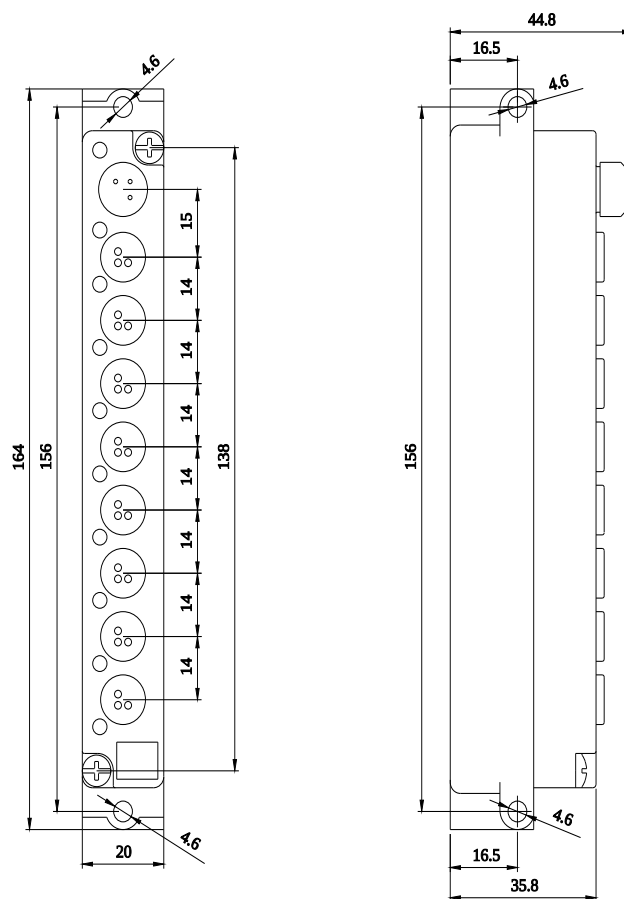
Cax online generator

<http://support.automation.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, ...)



last modified:

1/18/2021