



!!! 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 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
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 style="list-style-type: none"> of the input delay time of the inverting of the input signal
ampacity of the sensor supply		adjustable for each module (1 ms, 3 ms, 15 ms, 20 ms)
• maximum	mA	400
• of socket 1 to 4 maximum	mA	200
• of socket 5 to 8 maximum	mA	200
input current at digital input		adjustable for each input
• initial value for signal<1>-recognition	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 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



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Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

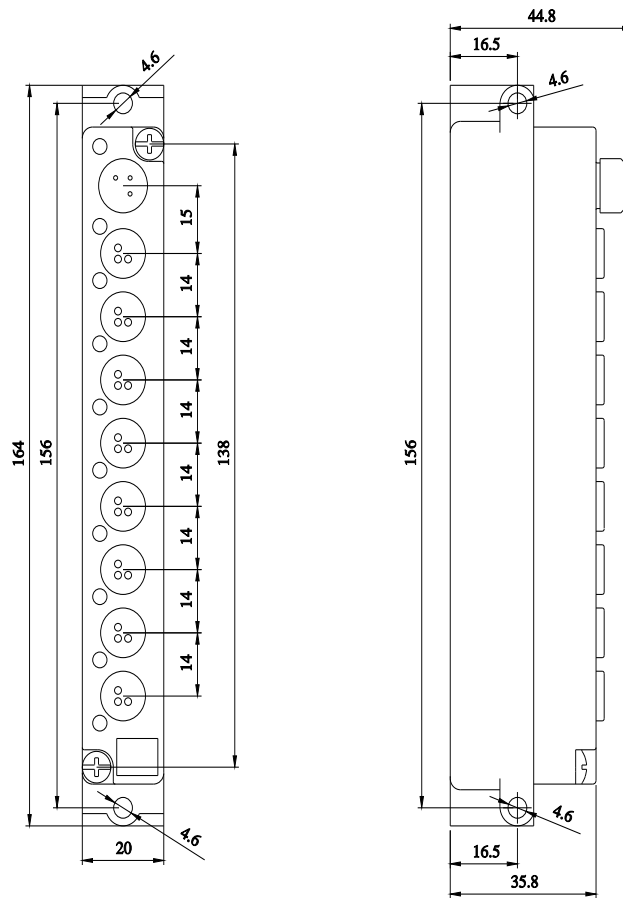
Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK5010-0CA00-0AA0>

Cax online generator



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