



IO-LINK MODULE K20, DIGITAL, 8DI, IP67,
8 X 1 INPUT, SENSOR SUPPLY MAX. 400 MA,
8 X M8-SOCKET STANDARD-ASSIGNM.

General technical data:		
Product designation		IO-Link module K20
Design of the product		8 digital inputs
Type of display		green LED for each channel green/red dual LED green/red dual LED
<ul style="list-style-type: none"> • as status display of the inputs • as status display of the input • as status display of the input 		
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 a height over sea level / maximum	m	4,000
Ambient temperature		
<ul style="list-style-type: none"> • during storage • during operating 	°C	-40 ... +85 -25 ... +70
EMC immunity to interference / according to IEC 60947-1		ambience A (industrial sector)
EMC emitted interference / according to IEC 60947-1		CISPR11, ambience A (industrial sector)
Reference code		
<ul style="list-style-type: none"> • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 		A

- according to DIN EN 61346-2

K

Inputs/Outputs/Interfaces:

Number of digital inputs		8
Number of digital outputs		0
Type of parameterisation		
<ul style="list-style-type: none"> • of the input delay time 		adjustable for each module (1 ms, 3 ms, 15 ms, 20 ms)
<ul style="list-style-type: none"> • of the inverting of the input signal 		adjustable for each input
Current-carrying capacity / of the sensor supply		
<ul style="list-style-type: none"> • maximum 	mA	400
<ul style="list-style-type: none"> • of the bushing 1 to 4 / maximum 	mA	200
<ul style="list-style-type: none"> • of the bushing 5 to 8 / maximum 	mA	200
Input current / at the digital input		
<ul style="list-style-type: none"> • initial value for signal<1>-recognition 	mA	11
<ul style="list-style-type: none"> • final value for signal<0>-recognition 	mA	1.5
Input voltage / at the digital input 1		
<ul style="list-style-type: none"> • initial value for signal<1>-recognition 	V	10

Supply voltage:

Type of / supply voltage		DC
Supply voltage		
<ul style="list-style-type: none"> • 1 / for DC / rated value 	V	24
<ul style="list-style-type: none"> • for DC / rated value 		
<ul style="list-style-type: none"> • minimum permissible 	V	18
<ul style="list-style-type: none"> • maximum permissible 	V	30

Installation/mounting/dimensions:

Mounting type		frontal or lateral wall mounting
Width	mm	20
Height	mm	164
Depth	mm	45

Connections:

Number of the input/ output bushing		8
Design of the pin assignment / of the inputs		standard assignment
Pin assignment		
<ul style="list-style-type: none"> • of the bushing 1 at the PIN 1 		sensor supply +
<ul style="list-style-type: none"> • of the bushing 1 at the PIN 3 		sensor supply -
<ul style="list-style-type: none"> • of the bushing 1 at the PIN 4 		IN1
<ul style="list-style-type: none"> • of the bushing 2 at the PIN 1 		sensor supply +
<ul style="list-style-type: none"> • of the bushing 2 at the PIN 3 		sensor supply -

- of the bushing 2 at the PIN 4
- of the bushing 3 at the PIN 1
- of the bushing 3 at the PIN 3
- of the bushing 3 at the PIN 4
- of the bushing 4 at the PIN 1
- of the bushing 4 at the PIN 3
- of the bushing 4 at the PIN 4
- of the bushing 5 at the PIN 1
- of the bushing 5 at the PIN 3
- of the bushing 5 at the PIN 4
- of the bushing 6 at the PIN 1
- of the bushing 6 at the PIN 3
- of the bushing 6 at the PIN 4
- of the bushing 7 at the PIN 1
- of the bushing 7 at the PIN 3
- of the bushing 7 at the PIN 4
- of the bushing 8 at the PIN 1
- of the bushing 8 at the PIN 3
- of the bushing 8 at the PIN 4

IN2
sensor supply +
sensor supply -
IN3
sensor supply +
sensor supply -
IN4
sensor supply +
sensor supply -
IN5
sensor supply +
sensor supply -
IN6
sensor supply +
sensor supply -
IN7
sensor supply +
sensor supply -
IN8

Certificates/approvals:

Verification of suitability

CE

General Product Approval

Declaration of Conformity



other

[Confirmation](#)

[Environmental
Confirmations](#)

Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

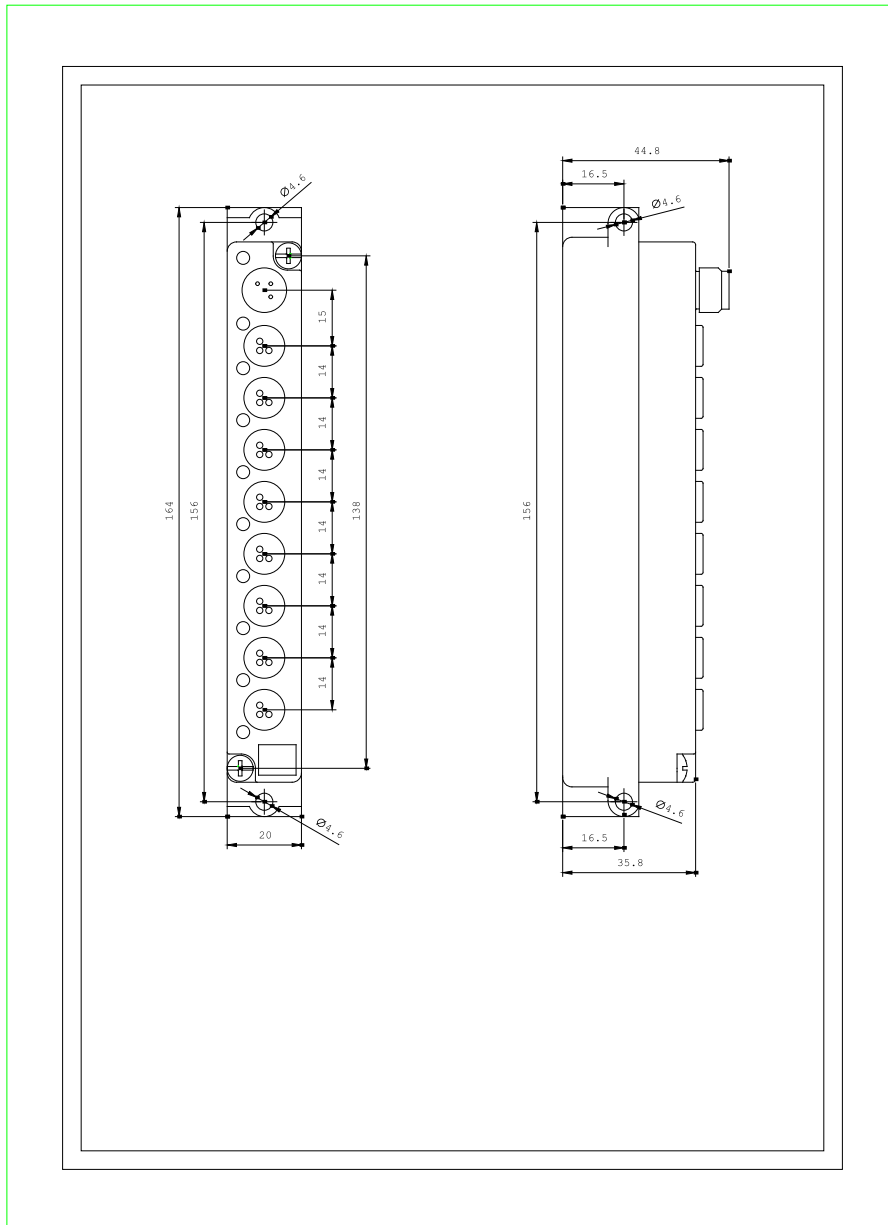
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK5010-0CA00-0AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK5010-0CA00-0AA0



last change:

Jul 21, 2014