

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 |
| Display version | | 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/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 | | |
| <ul style="list-style-type: none"> during storage during operation | °C | -40 ... +85 -25 ... +70 |
| EMI immunity acc. to IEC 60947-1 | | ambience A (industrial sector) |
| EMC emitted interference acc. to IEC 60947-1 | | CISPR11, ambience A (industrial sector) |

| | | |
|---|--|---|
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | | A |
| Equipment marking acc. to DIN 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 | | 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 |
| Ampacity of the sensor supply | | |
| <ul style="list-style-type: none"> maximum | mA | 400 |
| <ul style="list-style-type: none"> of socket 1 to 4 maximum | mA | 200 |
| <ul style="list-style-type: none"> of socket 5 to 8 maximum | mA | 200 |
| Input current at digital input | | |
| <ul style="list-style-type: none"> initial value for signal<1>-recognition | mA | 11 |
| <ul style="list-style-type: none"> 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 | | |
| <ul style="list-style-type: none"> 1 at DC rated value | V | 24 |
| <ul style="list-style-type: none"> at 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/ Terminals:

| | | |
|--|--|---------------------|
| Number of input/output sockets | | 8 |
| Design of the pin assignment of the inputs | | standard assignment |
| Contact assignment | | |
| <ul style="list-style-type: none"> of socket 1 at PIN 1 | | sensor supply + |
| <ul style="list-style-type: none"> of socket 1 at PIN 3 | | sensor supply - |
| <ul style="list-style-type: none"> of socket 1 at PIN 4 | | IN1 |
| <ul style="list-style-type: none"> of socket 2 at PIN 1 | | sensor supply + |
| <ul style="list-style-type: none"> of socket 2 at PIN 3 | | sensor supply - |
| <ul style="list-style-type: none"> of socket 2 at PIN 4 | | IN2 |

- of socket 3 at PIN 1
- of socket 3 at PIN 3
- of socket 3 at PIN 4
- of socket 4 at PIN 1
- of socket 4 at PIN 3
- of socket 4 at PIN 4
- of socket 5 at PIN 1
- of socket 5 at PIN 3
- of socket 5 at PIN 4
- of socket 6 at PIN 1
- of socket 6 at PIN 3
- of socket 6 at PIN 4
- of socket 7 at PIN 1
- of socket 7 at PIN 3
- of socket 7 at PIN 4
- of socket 8 at PIN 1
- of socket 8 at PIN 3
- of socket 8 at PIN 4

| | |
|--|-----------------|
| | 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:

Certificate 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/industrymall>

Cax online generator

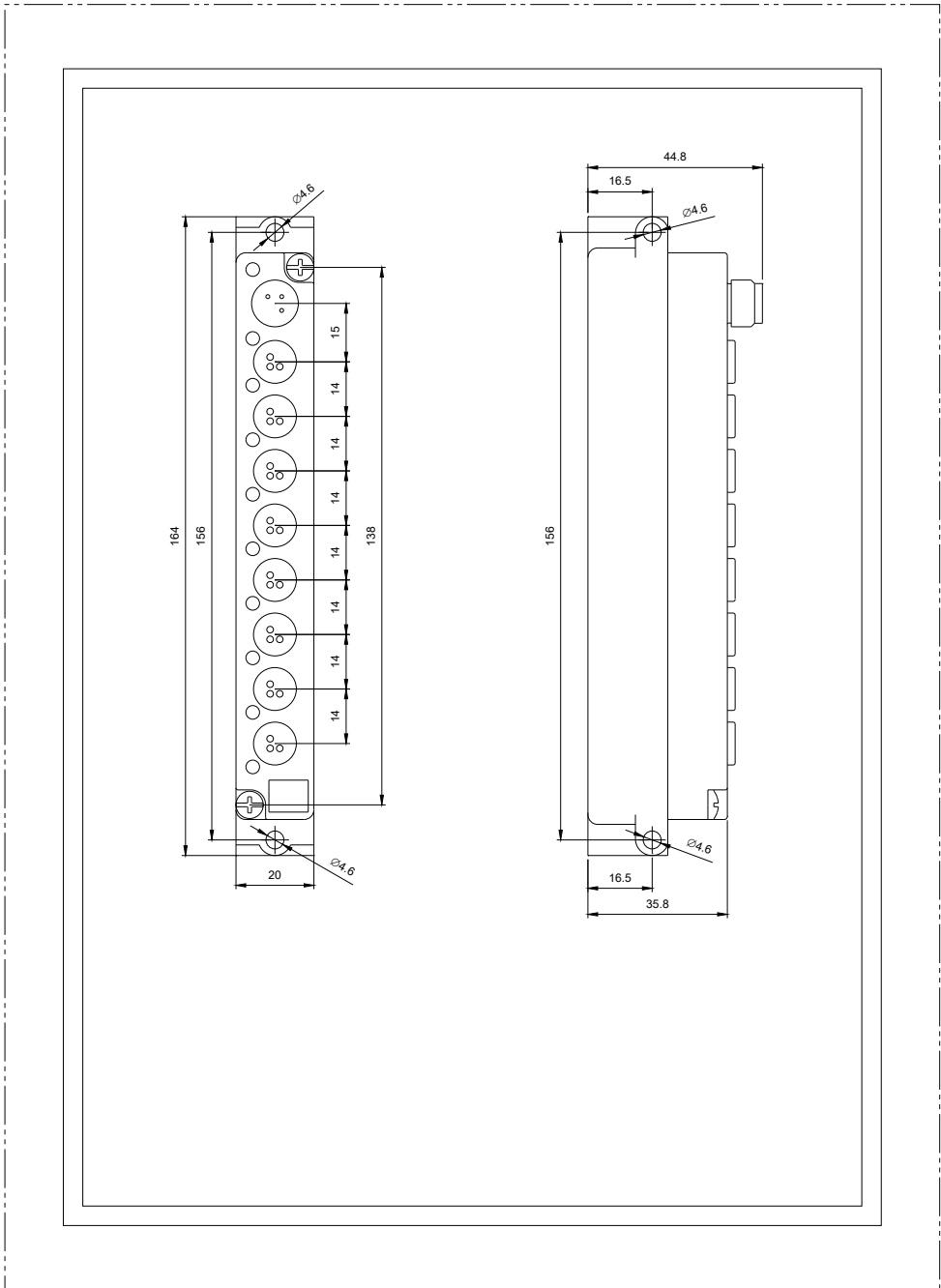
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK5010-0CA00-0AA0>

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, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK5010-0CA00-0AA0&lang=en



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