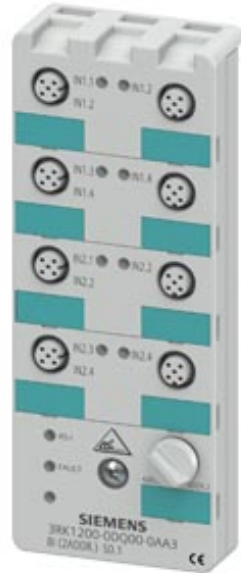


AS-i compact module K60 digital 8 DI, IP67 8 x inputs, maximum 200 mA 8 x M12 socket Y-II assignment Mounting plate 3RK1901-0CA00 must be ordered separately



| General technical data | |
|---|---|
| Design of the product | digital I/O modules for operation in the field, IP67 - K60 |
| Type | 8 inputs |
| Design of the slave type | standard slave |
| I/O configuration | 0 |
| ID/ID2 code | 1/F |
| Number I/O sockets | 8 |
| Type of electrical connection of the inputs and outputs | M12 screw-type terminals |
| AS interface total current input max | 270 mA |
| operating voltage according to AS-Interface specification | 26.5 ... 31.6 V |
| Ground terminal | PIN5 of each M12 socket is connected to the grounding wrist strap in the mounting plate using a pin |
| Addressing | front addressing socket |
| Delivery note | the modules are delivered without mounting plate |
| note | module requires two addresses |
| Sensor supply | |
| Type of voltage supply for power supply | using AS-Interface |

| | |
|--|-------------|
| Input voltage | 20 ... 30 V |
| Property of the sensor supply Short-circuit and overload resistant | Yes |
| Ampacity of the sensor supply for all inputs | 200 mA |
| <ul style="list-style-type: none"> • at ambient temperature 40 °C | |

Inputs

| | | |
|--|--|-----------------|
| Number of digital inputs | 8 | |
| Type of connection | 2- and 3-wire technology | |
| Input circuit | PNP transistor | |
| Type of voltage of the input voltages | DC | |
| Inputs switching level High min | 10 V | |
| Input current at digital input | 6 mA 1.5 mA | |
| <ul style="list-style-type: none"> • for signal <1> minimum • with signal <0> maximum | | |
| Inputs | short-circuit and overload resistant sensor supply L+ data input II sensor supply L- data input I ground terminal | |
| <ul style="list-style-type: none"> • sensor supply using AS-Interface • socket assignment <ul style="list-style-type: none"> — PIN 1 — PIN 2 — PIN 3 — PIN 4 — PIN 5 | | |
| Design of the pin assignment of the inputs | | Y-II assignment |

Outputs

| | |
|--|-----------------|
| Number of digital outputs | 0 |
| Outputs external power supply 24 V DC | not required |
| Design of the pin assignment of the outputs | Y-II assignment |
| Outputs | not required |
| <ul style="list-style-type: none"> • watchdog | |

Assignment of the data bits

| | |
|--|---|
| Assignment of data bits | PIN 4 = IN1 (D0) (addr. 1), PIN 2 = IN2 (D1) (addr. 1) PIN 4 = IN2 (D1) (addr. 1) PIN 4 = IN3 (D2) (addr. 1), PIN 2 = IN4 (D3) (addr.1) PIN 4 = IN4 (D3) (addr. 1) PIN 4 = IN1 (D0) (addr. 2), PIN 2 = IN2 (D1) (addr. 2) PIN4 = IN2 (D1) (addr. 2) PIN4 = IN3 (D2) (addr. 2), PIN2 = IN4 (D3) (addr. 2) PIN4 = IN4 (D3) (addr. 2) |
| <ul style="list-style-type: none"> • socket | |
| <ul style="list-style-type: none"> • socket 2 | |
| <ul style="list-style-type: none"> • socket 3 | |
| <ul style="list-style-type: none"> • socket 4 | |
| <ul style="list-style-type: none"> • socket 5 | |
| <ul style="list-style-type: none"> • socket 6 | |
| <ul style="list-style-type: none"> • socket 7 • socket 8 | |

Ambient conditions

| | |
|----------------------------|--|
| Ambient temperature | |
|----------------------------|--|

| | |
|--|----------------|
| <ul style="list-style-type: none"> during operation | -25 ... +85 °C |
| <ul style="list-style-type: none"> during storage | -40 ... +85 °C |
| Protection class IP | IP67 |

Display

| | |
|---|---------------|
| Status display | |
| <ul style="list-style-type: none"> display of I/Os | yellow LED |
| <ul style="list-style-type: none"> display of Uaux | not required |
| <ul style="list-style-type: none"> display of AS-Interface/diagnostics | green/red LED |

Mechanical data

| | |
|----------------------|--|
| Width | 60 mm |
| Height | 152 mm |
| Depth | 29 mm |
| Mounting type | standard rail mounting/wall mounting using mounting plate for K60 compact module |

Certificates/approvals

| | |
|---------------------------------|---|
| AS-Interface certificate | yes (or requested for in case of new units) |
| Approvals | UL, CSA, shipbuilding (or requested for in case of new units) |

| General Product Approval | Declaration of Conformity | Shipping Approval |
|--------------------------|---------------------------|-------------------|
|--------------------------|---------------------------|-------------------|



| Shipping Approval | other |
|-------------------|-------|
|-------------------|-------|



[Confirmation](#)

other

[Miscellaneous](#)

Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mifb=3RK1200-0DQ00-0AA3>

Cax online generator

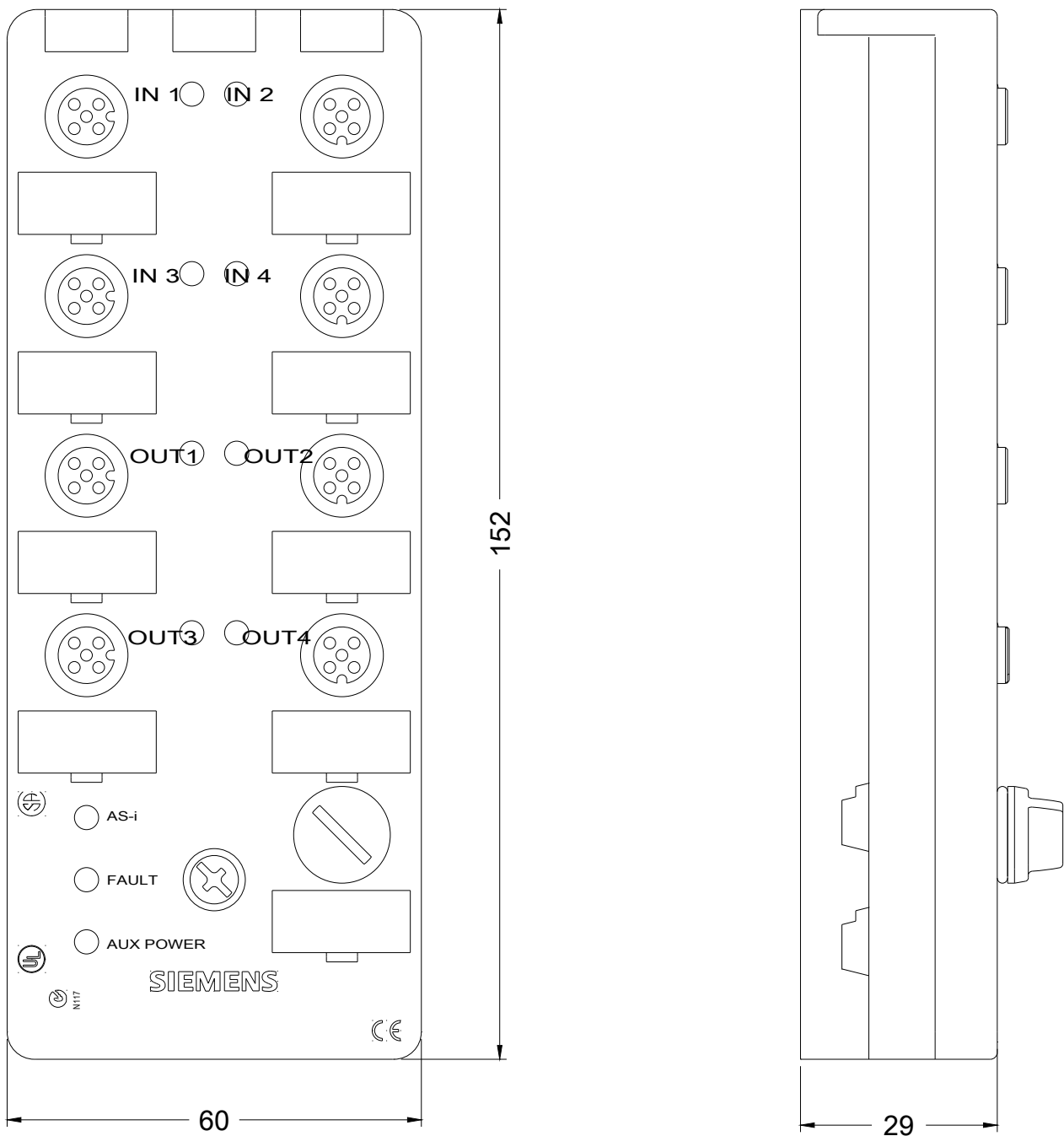
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mf=3RK1200-0DQ00-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1200-0DQ00-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mf=3RK1200-0DQ00-0AA3&lang=en



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