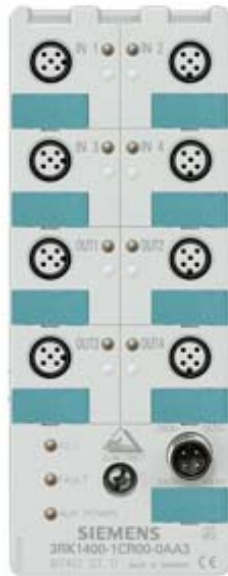


AS-i compact module K60 digital 4 DI/4 DQ, IP68 4 x input, maximum 200 mA 4 x output, 2 A, 24 V DC maximal 4 A for all outputs 8 x M12 sockets Mounting plate 3RK1901-0CA00 must be ordered separately



| General technical data | |
|---|---|
| Design of the product | digital I/O modules for operation in the field, IP67 - K60 |
| Type | 4 inputs / 4 outputs |
| Design of the slave type | standard slave |
| I/O configuration | 7 |
| ID/ID2 code | 0/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 | 18 ... 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 | M12 plug |
| Delivery note | the modules are delivered without mounting plate |
| Note 2 | An external additional supply (AUX POWER) of 20 to 30 V DC is required for the supply of the output circuits. The additional supply must comply with VDE 0106 (PELV), protection class III. |

| 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 <ul style="list-style-type: none"> at ambient temperature 40 °C | 200 mA |

| Inputs | |
|---|---|
| Number of digital inputs | 4 |
| 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 <ul style="list-style-type: none"> for signal <1> minimum with signal <0> maximum | 6 mA 1.5 mA |
| Inputs <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 | short-circuit and overload resistant sensor supply L+ data input I sensor supply L- data input I ground terminal |
| Design of the pin assignment of the inputs | standard assignment |

| Outputs | |
|--|---|
| Number of digital outputs | 4 |
| Type of voltage of output voltages | DC |
| Outputs external power supply 24 V DC | shared round cable connection with AS-Interface connection through M12 female connector |
| Ampacity of the semiconductor output at DC-13 at 24 V | 2 A |
| Outputs aggregate current max | 4 A |
| Type of switching output | PNP transistor |
| Design of the pin assignment of the outputs | standard assignment |
| Outputs socket assignment | 3 = "-", 4 = output, 5 = ground terminal |
| Property of the output Short-circuit proof | Yes |
| Outputs <ul style="list-style-type: none"> short-circuit protection induction protection watchdog | built-in built-in built-in |

Assignment of the data bits

| Assignment of data bits | |
|-------------------------|--------------------|
| • socket | PIN 2/4 = IN1 (D0) |
| • socket 2 | PIN 2/4 = IN2 (D1) |
| • socket 3 | PIN2/ 4 = IN3 (D2) |
| • socket 4 | PIN 2/4 = IN4 (D3) |
| • socket 5 | PIN4 = OUT1 (D0) |
| • socket 6 | PIN4 = OUT2 (D1) |
| • socket 7 | PIN4 = OUT3 (D2) |
| • socket 8 | PIN4 = OUT4 (D3) |

Ambient conditions

| Ambient temperature | |
|---------------------|----------------|
| • during operation | -25 ... +85 °C |
| • during storage | -40 ... +85 °C |
| Protection class IP | |
| | IP68/IP69K |

Display

| Status display | |
|---------------------------------------|---------------|
| • display of I/Os | yellow LED |
| • display of Uaux | green LED |
| • 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

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



[Miscellaneous](#)

| | |
|-------------------|-------------------|
| Test Certificates | Shipping Approval |
|-------------------|-------------------|

[Special Test Certificate](#)



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



[Confirmation](#)

[Miscellaneous](#)

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=3RK1400-1CR00-0AA3>

Cax online generator

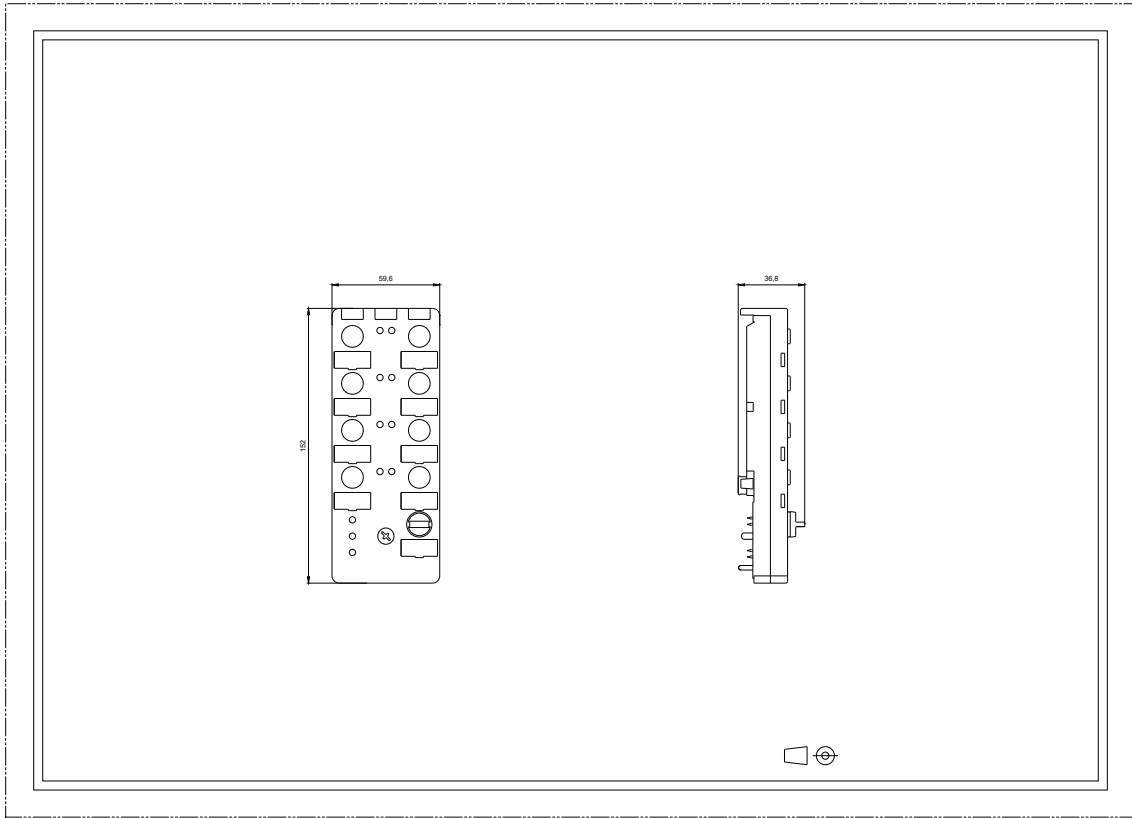
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-1CR00-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-1CR00-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-1CR00-0AA3&lang=en



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