

Figure similar

AS-INTERFACE COMPACT MOD. K60, DIGITAL, 4I/3O, IP67, 4 X 1 INPUT, 200MA MAX., PNP 3 X 1 OUTPUT, 2A, DC 24V 4 X M12 STANDARD SOCKET 4 X M12 SOCKET M. Y-II ASSIGNM. FOR INPUT/OUTPUT CONNECTIONS, MOUNTING PLATE 3RK19010CA00 TO BE ORDERED SEPARATELY

General technical data:

| | | |
|--|----|---|
| Design of the product | | digital I/O modules for operation in the field, IP67 - K60 |
| Type | | 4 inputs / 3 outputs |
| Design of the slave type | | A/B slave |
| I/O configuration | | 7 |
| ID/ID2 code | | A/2 |
| Number I/O sockets | | 7 |
| Type of electrical connection of the inputs and outputs | | M12 screw-type terminals |
| AS interface total current input max | mA | 270 |
| operating voltage according to AS-Interface specification | V | 26.5 ... 31.6 |
| 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 1 | | All K60 compact modules are delivered with stainless steel screws/sockets |
| 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 | V | 20 ... 30 |
| 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 | mA | 200 |

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 | V | 10 |
| Input current at digital input <ul style="list-style-type: none"> • for signal <1> minimum • with signal <0> maximum | mA mA | 6 1.5 |
| 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 II sensor supply L- data input I ground terminal |
| Design of the pin assignment of the inputs | | Y-II assignement |

Outputs:

| | | |
|---|---|--|
| Number of digital outputs | | 3 |
| Type of voltage of output voltages | | DC |
| Outputs external power supply 24 V DC | | using black AS-Interface flat cable |
| Output current at digital output for signal <1> Rated value | A | 2 |
| Outputs aggregate current max | A | 4 |
| Type of switching output | | PNP transistor |
| Design of the pin assignment of the outputs | | Y-II assignement |
| Outputs socket assignment | | 3 = "-", 2/4 = 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 <ul style="list-style-type: none"> • socket • socket 2 | | PIN 4 = IN1 (D0), PIN 2 = IN2 (D1) PIN 4 = IN2 (D1) |
|---|--|--|

- socket 3
- socket 4
- socket 5
- socket 6
- socket 7
- socket 8

PIN 4 = IN3 (D2) , PIN 2 = IN4 (D3)
 PIN 4 = IN4 (D3)
 PIN4 = OUT1 (D0), PIN2 = OUT2 (D1)
 PIN4 = OUT2 (D1)
 PIN4 = OUT3 (D2)
 not assigned (closed)

Ambient conditions:

| | | |
|----------------------------|----|-------------|
| Ambient temperature | | |
| • during operation | °C | -25 ... +85 |
| • during storage | °C | -40 ... +85 |
| Protection class IP | | IP67 |

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 | mm | 60 |
| Height | mm | 152 |
| Depth | mm | 29 |
| 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



CSA



GOST



UL



Shipping Approval



ABS



BUREAU
VERITAS

Shipping Approval



DNV



LRS



PRS



RMRS

other

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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

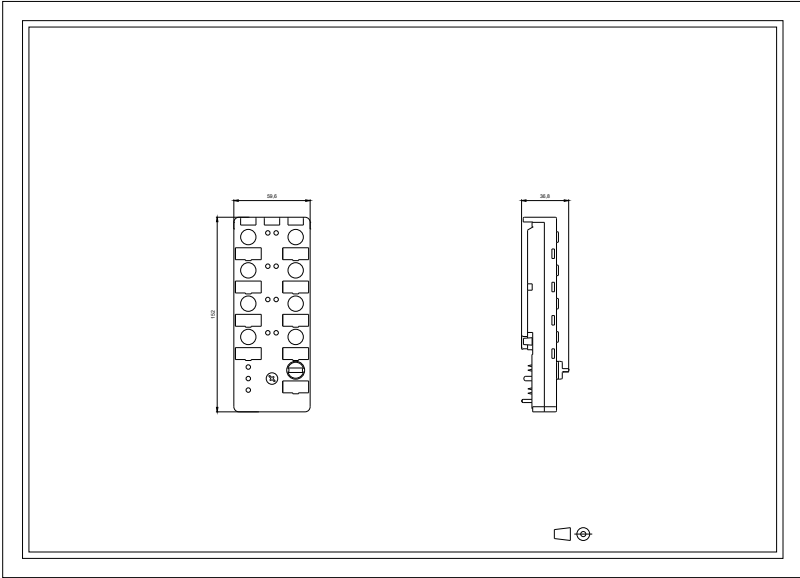
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK24001FQ030AA3>

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

<http://support.automation.siemens.com/WW/view/en/3RK24001FQ030AA3/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK24001FQ030AA3&lang=en>



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