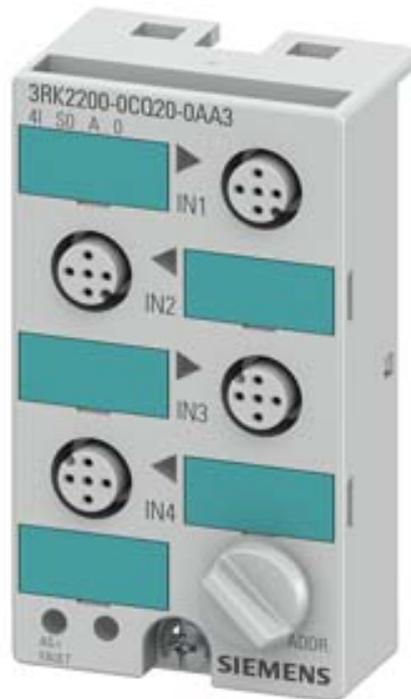


AS-INTERFACE COMPACT MOD. K45, A/B-SLAVE,  
IP67, DIGITAL, 4 INPUTS, 4 X 1 INPUT, MAX. 200MA,  
PNP, 4 X M12 SOCKETS



General technical data:

|   |    |   |
|---|----|---|
| Design of the product                                     |    | digital I/O modules for operation in the field, IP67 - K45                        |
| Type  |    | 4 inputs  |
| Design of the slave type                                  |    | A/B slave   |
| I/O configuration   |    | 0   |
| ID/ID2 code   |    | A/0   |
| Number I/O sockets  |    | 4   |
| 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   |    | Using PIN5 on the M12 sockets. Outgoing via flat tab sleeve (2.8 x 0.8 mm form A) |
| Addressing  |    | front addressing socket   |
| AS interface Connection Polarity reversal protection      |    | built-in  |
| Delivery note   |    | the modules are delivered without mounting plate                                  |
| Note 1  |    | All K45 compact modules are delivered with stainless steel screws/sockets         |

| 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"> <li>at ambient temperature 40 °C</li> </ul> | 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"> <li>for signal &lt;1&gt; minimum</li> </ul>                                      | mA | 6   |
| <ul style="list-style-type: none"> <li>with signal &lt;0&gt; maximum</li> </ul>                                     | mA | 1.5   |
| Inputs sensor supply using AS-Interface   |    | short-circuit and overload resistant  |
| Inputs socket assignment  |    |   |
| <ul style="list-style-type: none"> <li>PIN 1</li> <li>PIN 2</li> <li>PIN 3</li> <li>PIN 4</li> <li>PIN 5</li> </ul> |    | sensor supply L+<br>data input<br>sensor supply L-<br>data input<br>ground terminal |
| Design of the pin assignment of the inputs  |    | standard assignement  |

| Outputs:  |  |  |
|---|--|--|
| Number of digital outputs   |  | 0  |
| Status display  |  |  |
| <ul style="list-style-type: none"> <li>display of I/Os</li> <li>display of Uaux</li> <li>display of AS-Interface/diagnostics</li> </ul> |  | yellow LED<br>not required<br>green/red dual LED                                     |
| Assignment of data bits   |  |  |
| <ul style="list-style-type: none"> <li>socket</li> <li>socket 2</li> <li>socket 3</li> <li>socket 4</li> </ul>                          |  | PIN 4/2 = IN1 (D0)<br>PIN 4/2 = IN2 (D1)<br>PIN 4/2 = IN3 (D2)<br>PIN 4/2 = IN4 (D3) |

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

### Mechanical data:

|               |    |  |
|---------------|----|--|
| Width         | mm | 45   |
| Height        | mm | 80   |
| Depth         | mm | 30   |
| Mounting type |    | standard rail mounting/wall mounting using mounting plate for K45 compact module |

#### Certificates/ approvals:

|                          |  |                       |
|--------------------------|--|-----------------------|
| AS-Interface certificate |  | yes                   |
| Approvals                |  | UL, CSA, shipbuilding |

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



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



LRS



PRS



RMRS



ASi

[Confirmation](#)

[Environmental Confirmations](#)

| other |
|-------|
|-------|

[Miscellaneous](#)

#### 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**

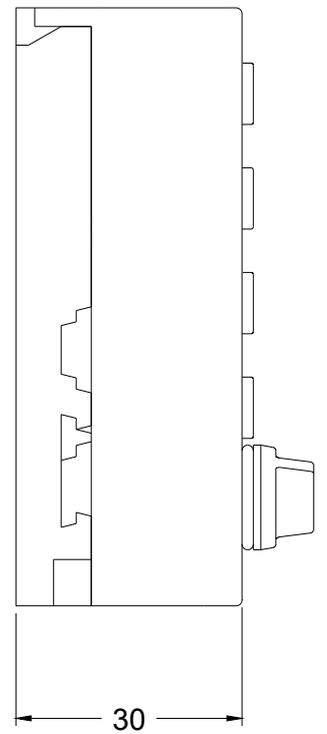
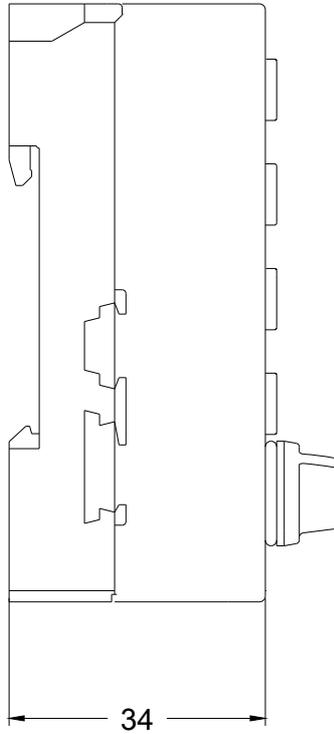
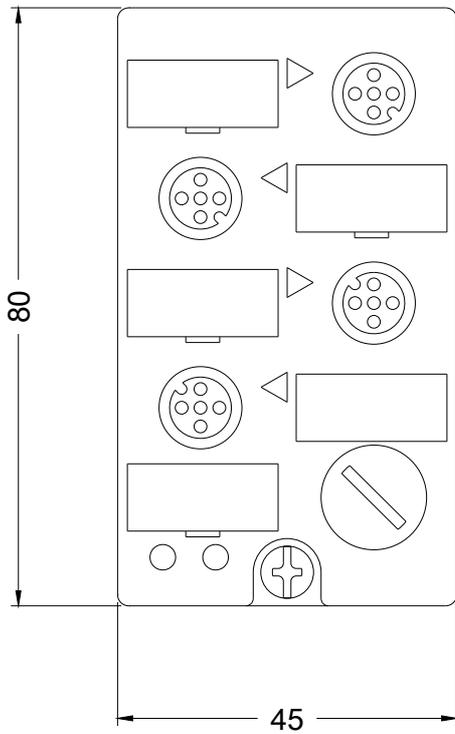
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0CQ20-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-0CQ20-0AA3>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2200-0CQ20-0AA3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2200-0CQ20-0AA3&lang=en)



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