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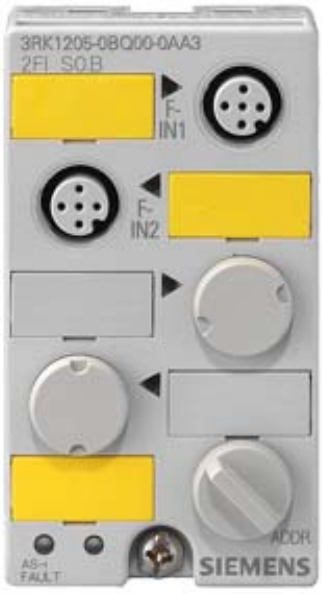
## Product data sheet 3RK1205-0BQ00-0AA3




SAFE MODULE K45F,
WITH TWO SECURE INPUTS 2FE

| General technical data: | | |
|---|---|---|
| **Design of the product** | | Safe compact module K45F, 2F-DI |
| **Type** | | 2 inputs, safe |
| **I/O configuration** | | 0 |
| **ID/ID2 code** | | B/F |
| **Protocol / will be supported / AS interface protocol** | | Yes |
| **Number / I/O sockets** | | 2 |
| **Design of the electrical connection / of the inputs and outputs** | | M12 |
| **operating voltage** | | |
| • according to AS-Interface spezification | V | 26.5 … 31.5 |
| **AS interface / total current input / max** | mA | 45 |
| **Addressing** | | front addressing socket;the module retains the last address after the 15th addressing procedure |
| **Item designation** | | |
| • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 | | A |
| • according to DIN EN 61346-2 | | A |

| Inputs: | | |
|---|---|---|
| **Number of digital inputs / safety-related** | | 2 |
| **Inputs** | | |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| | | |
|---|---|---|
| • sensors | | mechanical switching contact |
| • switching level High | | contact closed |
| • switching level Low | | contact open |
| **Input current / at the digital input / for signal <1> / minimum** | mA | 5 |
| **Design of the pin assignment / of the inputs** | | special assignement |

## Outputs:

| | | |
|---|---|---|
| **Type of voltage / of the outputs** | | DC |

## Status display

| | | |
|---|---|---|
| • display of I/Os | | yellow LED |
| • display of AS-Interface/diagnostics | | green/red LED |

## Ambient conditions:

| | | |
|---|---|---|
| **Ambient temperature** | | |
| • during operating | °C | -25 … +70 |
| • during storage | °C | -40 … +85 |
| **Protection class IP** | | IP67 |

## Mechanical design:

| | | |
|---|---|---|
| **Width** | mm | 45 |
| **Height** | mm | 80 |
| **Depth** | mm | 34 |
| **Type of mounting** | | standard rail mounting/wall mounting using mounting plate for K45 compact module |

## Certificates/approvals:

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

| **General Product Approval** | | | **Functional Safety / Safety of Machinery** | **Declaration of Conformity** |
|---|---|---|---|---|
| CSA | GOST | UL | VDE | EG-Konf. |

| **Shipping Approval** | | | | | |
|---|---|---|---|---|---|
| ABS | BUREAU VERITAS | LRS | PRS | RINA | RMRS |

| **other** | | | |
|---|---|---|---|
| Confirmation | Declaration of Conformity | other | Environmental Confirmations |


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## Further information:

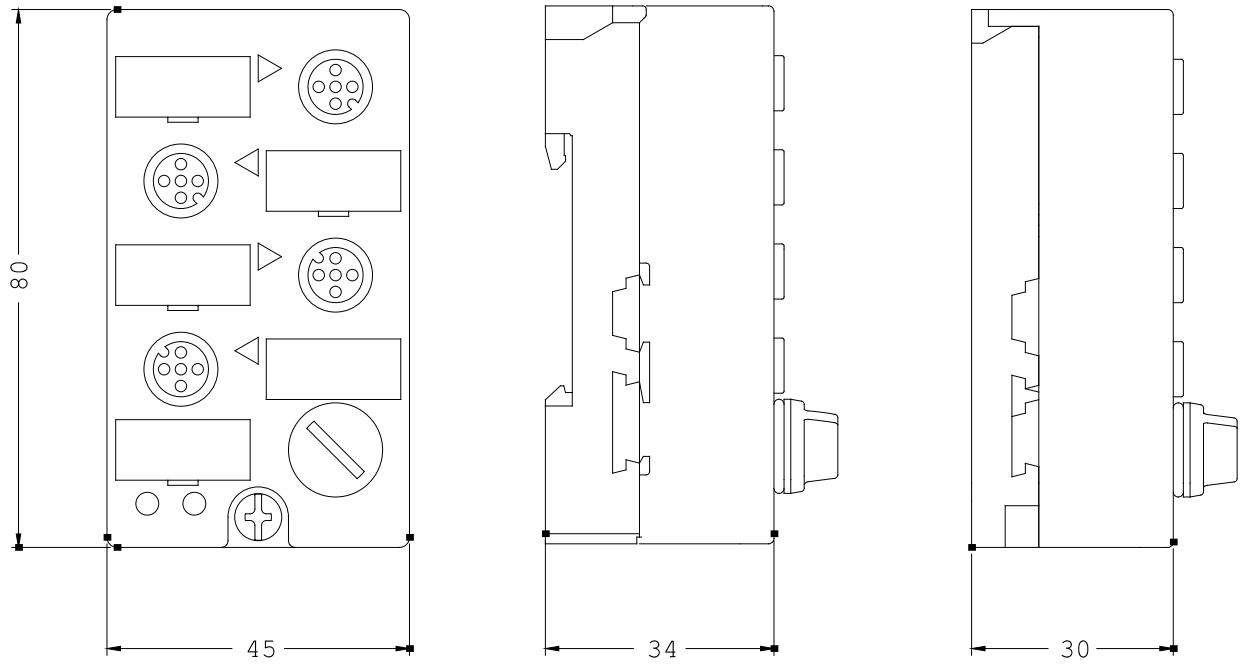
**Information- and Downloadcenter (Catalogs, Brochures,…)**
http://www.siemens.com/industrial-controls/catalogs

**Industry Mall (Online ordering system)**
http://www.siemens.com/industrial-controls/mall

**CAx-Online-Generator**
http://www.siemens.com/cax

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
http://support.automation.siemens.com/WW/view/en/3RK1205-0BQ00-0AA3/all

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1205-0BQ00-0AA3




**last change:** Mar 4, 2013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