# SIEMENS

**Data sheet**                                                  **3RK1205-0BQ30-0AA3**

ASIsafe compact module K20F digital safety, 2 F-DI, IP67 2 x input for mechanical sensors 2 x M12 socket

| General technical data | |
|---|---|
| design of the product | safe compact module for operation in the field, IP67 - K20F |
| Type | 2 safe inputs |
| design of the slave type | standard slave |
| I/O configuration | 0 |
| ID/ID2 code | B/0 |
| Number I/O sockets | 2 |
| type of electrical connection of the inputs and outputs | M12 screw-type terminals |
| AS interface total current input max | 45 mA |
| operating voltage according to AS-Interface spezification | 26.5 ... 31.6 V |
| Ground terminal | not available |
| Addressing | using M12 female connector |
| AS interface Connection Polarity reversal protection | built-in |
| **Inputs** | |
| number of digital inputs | 2 |
| Input circuit | for mechanical switching contacts |
| Inputs socket assignment | |
| ● PIN 1 | F-IN1 |
| ● PIN 2 | F-IN1 |
| ● PIN 3 | F-IN2 |
| ● PIN 4 | F-IN2 |
| design of the pin assignment of the inputs | special assignement ASIsafe |
| **Outputs** | |
| number of digital outputs | 0 |
| **Display** | |
| Status display | |
| ● display of I/Os | yellow LED |
| ● display of Uaux | not required |
| ● display of AS-Interface/diagnostics | green/red dual LED |
| **Assignment of the data bits** | |
| Assignment of data bits | |
| ● socket | PIN 1/2 = F-IN1, PIN 3/4 = F-IN2 |
| ● socket 2 | PIN 1/2 = F-IN2; PIN 3/4 = not assigned |
| ● socket 3 | not available |
| ● socket 4 | not available |
| **Ambient conditions** | |
| ambient temperature | |
| ● during operation | -25 ... +70 °C |
| ● during storage | -40 ... +85 °C |
| protection class IP | IP67 |

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| Mechanical data | |
|---|---|
| width | 20 mm |
| height | 108 mm |
| depth | 45 mm |
| fastening method | no mounting plate required |
| shock resistance | 15g / 11 ms |

## Certificates/ approvals

| General Product Approval | | | EMC | Functional Safety/Safety of Machinery | Declaration of Conformity |
|---|---|---|---|---|---|
| [Confirmation](#) | UL | EAC | RCM | [Miscellaneous](#) | CE EG-Konf. |

| Declaration of Conformity | Test Certificates | Marine / Shipping | | | |
|---|---|---|---|---|---|
| UKCA | [Special Test Certificate](#) | BUREAU VERITAS | Lloyd's Register LRS | PRS | DNV·GL |

| other |
|---|
| [Confirmation](#)    [Miscellaneous](#) |

## Further information

**Siemens has decided to exit the Russian market (see here).**
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
**Siemens is working on the renewal of the current EAC certificates.**
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
**Information on the packaging**
https://support.industry.siemens.com/cs/ww/en/view/109813875
**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=3RK1205-0BQ30-0AA3
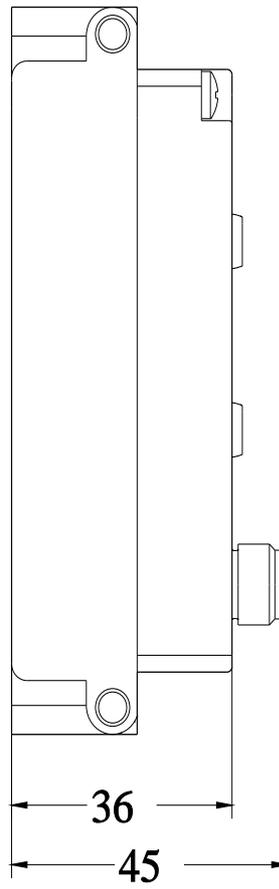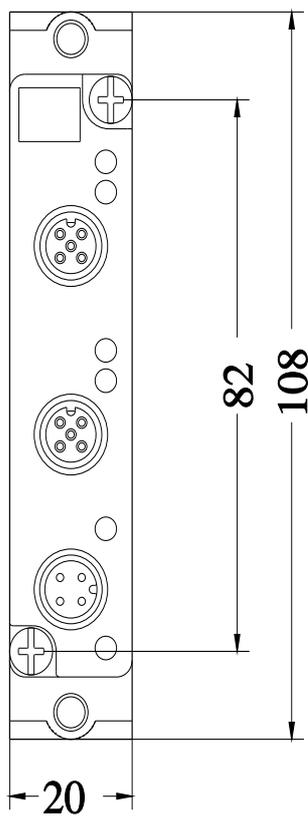**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1205-0BQ30-0AA3
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3RK1205-0BQ30-0AA3
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1205-0BQ30-0AA3&lang=en

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