SIEMENS

## Data sheet 3RK1205-0BG00-2AA2



ASIsafe SlimLine Compact module SC17.5F digital safety 2 F-DI, IP20 2 x input for mechanical sensors spring-type terminals Overall width 17.5 mm

| | |
|---|---|
| **product designation** | Slimline Compact I/O module for use in the control cabinet |
| **design of the product** | AS-i SC17.5F, 2F-DI |
| **product type designation** | 3RK1 |
| **design of the device type** | standard slave |
| **AS-Interface device profile** | S-0.B.F |
| **ID1 code** | F; Factory setting, changeable |
| **operating voltage according to AS-Interface specification** | 18 ... 31.6 V |
| **product function suitable for AS-i Power24V** | Yes |
| **consumed current from profile conductors of the AS-Interface** | |
| ● at 30 V maximum | 50 mA |
| ● at 24 V with AS-i Power24V maximum | 50 mA |
| **type of address setting of the AS-i devices** | via front addressing socket |
| **Substance Prohibitance (day/month/year)** | 05/01/2012 |
| **SVHC substance name** | Lead CAS-No. 7439-92-1<br>Lead monoxide (lead oxide) CAS-No. 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5<br>Melamine CAS-No. 108-78-1<br>6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1 |
| **Net Weight** | 0.111 kg |
| **reference code** | |
| ● according to EN 61346-2 | K |
| ● according to DIN 40719 extended according to IEC 204-2 according to IEC 750 | A |
| **shock resistance** | 15 g / 11 ms (modules) or 10 g / 11 ms (modules with device connector) |
| **Digital Inputs** | |
| **number of digital inputs** | 0 |
| **number of digital inputs safety-related** | 2 |
| **type of input characteristic** | mechanical contacts |
| **Digital Outputs** | |
| **number of digital outputs** | 0 |
| **Analog inputs** | |
| **number of analog inputs** | 0 |
| **Analog outputs** | |
| **number of analog outputs** | 0 |
| IEC 62061 | |
| PFHD with high demand rate according to IEC 62061 | 4.5E-9 1/h |
| ISO 13849 | |
| performance level (PL) according to EN ISO 13849-1 | e |
| category according to EN ISO 13849-1 | up to Category 4 |


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| | |
|---|---|
| **IEC 61508** | |
| Safety Integrity Level (SIL) according to IEC 61508 | 3 |
| PFDavg with low demand rate according to IEC 61508 | 5E-6 |
| **Safe failure fraction (SFF)** | 99 % |
| T1 value for proof test interval or service life according to IEC 61508 | 20 a |
| **Device connector** | |
| **ampacity of the interface to the device connector** | |
| • for AS-Interface | 2 A |
| **Installation/ mounting/ dimensions** | |
| **fastening method** | screw and snap-on mounting |
| **height** | 100 mm |
| **width** | 17.5 mm |
| **depth** | 120 mm |
| **Ambient conditions** | |
| **ambient temperature** | |
| • during operation | -25 ... +70 °C |
| • during storage | -40 ... +85 °C |
| **Connections/ Terminals** | |
| type of electrical connection of the inputs and outputs | spring-loaded terminal (push-in) |
| **type of connectable conductor cross-sections** | |
| • solid | 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 1.5 mm²) |
| • finely stranded with core end processing | 1x (0,25 ... 1,0 mm²), 2x (0,25 ... 1,0 mm²) |
| • finely stranded without core end processing | 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 1.5 mm²) |
| • for AWG cables solid | 1x (20 ... 16), 2x (20 ... 16) |
| • for AWG cables stranded | 1x (20 ... 16), 2x (20 ... 16) |

## Approvals Certificates

| Environment | General Product Approval | | | | |
|---|---|---|---|---|---|
| Environmental Confirmations | CCC | cULus | EAC | CE EG-Konf. | UKCA |

| EMV | Test Certificates | Maritime application | | | other |
|---|---|---|---|---|---|
| RCM | Type Test Certificates/Test Report | ABS | DNV | LRS | Confirmation |

| other | Industrial Communication |
|---|---|
| 产品合格 QC PASS | ASi |

## Further information

**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).

**Siemens has decided to exit the Russian market (see here).**
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

**Information on the packaging**
https://support.industry.siemens.com/cs/ww/en/view/109813875

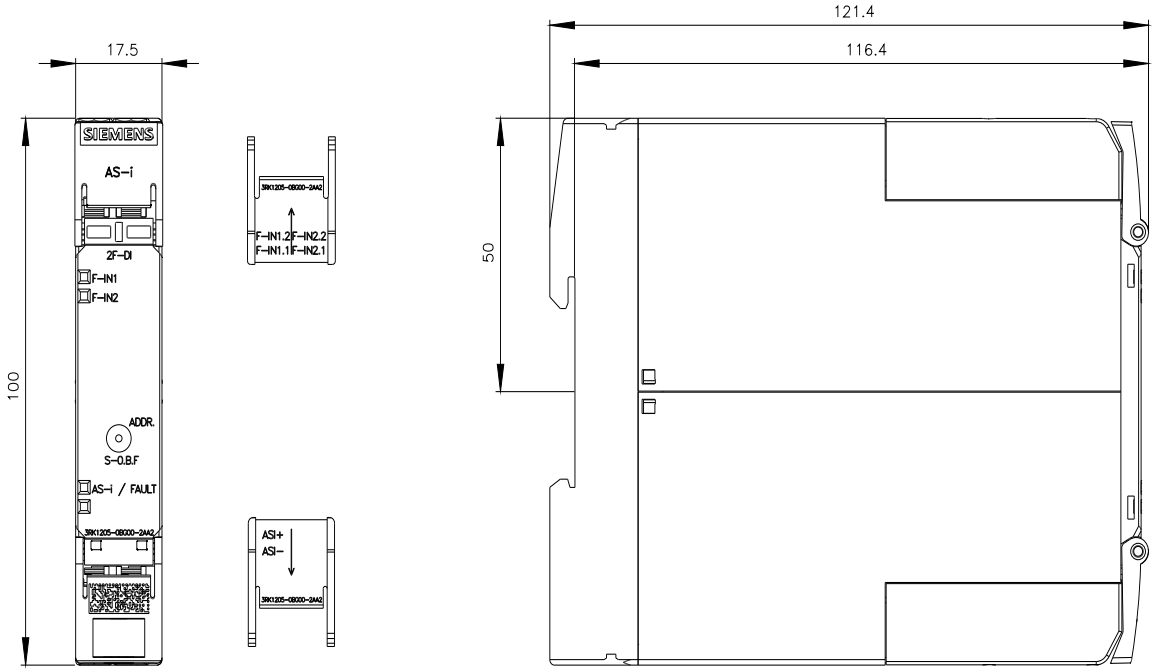
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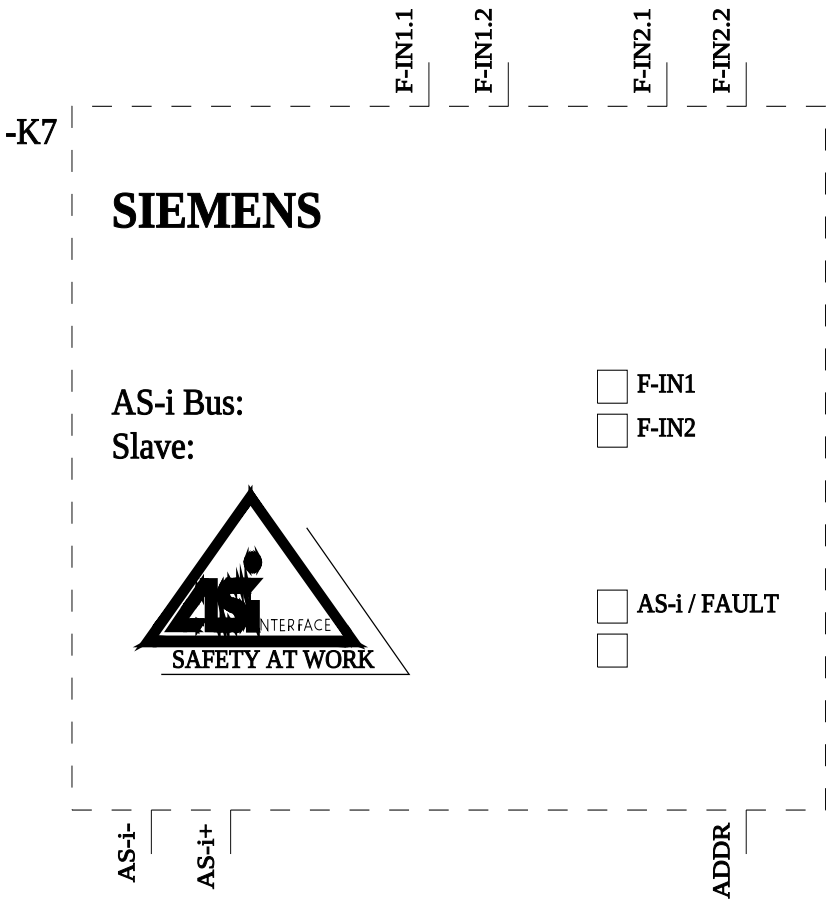

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