



AS-Interface module, 4 inputs and 4 outputs, black, Spring-type terminal (Push-in), for input/output, for floor mounting

|                                                                     |                                                        |
|---------------------------------------------------------------------|--------------------------------------------------------|
| product brand name                                                  | SIRIUS ACT                                             |
| product designation                                                 | AS-Interface module                                    |
| product type designation                                            | 3SU1                                                   |
| <b>General technical data</b>                                       |                                                        |
| product function                                                    | 4 DI / 4 DQ                                            |
| degree of pollution                                                 | 3                                                      |
| type of voltage                                                     |                                                        |
| • of the operating voltage                                          | DC                                                     |
| • of the input voltage                                              | DC                                                     |
| consumed current maximum                                            | 150 mA                                                 |
| protection class IP                                                 | IP20                                                   |
| shock resistance for railway applications according to EN 61373     | Category 1, Class B                                    |
| vibration resistance for railway applications according to EN 61373 | Category 1, Class B                                    |
| reference code according to IEC 81346-2                             | K                                                      |
| Substance Prohibitance (Date)                                       | 10/01/2014                                             |
| SVHC substance name                                                 | Blei - 7439-92-1<br>Bleimonoxid (Bleioxid) - 1317-36-8 |
| design of the slave type                                            | 4 DI / 4 DQ                                            |
| AS-Interface slave profile                                          | S-7.0.E                                                |
| ID1 code                                                            | 0...F                                                  |
| number of AS-i slaves                                               | 1                                                      |
| protocol is supported ASIsafe (Safety at work) protocol             | No                                                     |
| operating voltage rated value                                       | 18 ... 31.6 V                                          |
| operating voltage 1 at DC rated value                               | 30 V                                                   |
| <b>Communication/ Protocol</b>                                      |                                                        |
| protocol is supported AS-Interface protocol                         | Yes                                                    |
| <b>Inputs/ Outputs</b>                                              |                                                        |
| number of digital inputs                                            | 4                                                      |
| • note                                                              | Inputs are only used to check LOG 1 / LOG 0            |
| • safety-related                                                    | 0                                                      |
| number of digital outputs                                           | 4                                                      |
| <b>Connections/ Terminals</b>                                       |                                                        |
| type of electrical connection                                       | spring-loaded terminal (push-in)                       |
| type of connectable conductor cross-sections                        |                                                        |
| • solid without core end processing                                 | 1x (0.14 ... 0.5 mm <sup>2</sup> )                     |
| • finely stranded without core end processing                       | 1x (0.2 ... 0.5 mm <sup>2</sup> )                      |
| • for AWG cables                                                    | 1x (26 ... 20)                                         |
| ampacity per pin maximum                                            | 120 mA                                                 |
| <b>Product Function</b>                                             |                                                        |
| product function suitable for safety function                       | No                                                     |

|                                                                |                                                                                                                             |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| suitability for use safety-related circuits                    | No                                                                                                                          |
| <b>Ambient conditions</b>                                      |                                                                                                                             |
| <b>ambient temperature</b>                                     |                                                                                                                             |
| • during operation                                             | -25 ... +70 °C                                                                                                              |
| • during storage                                               | -40 ... +80 °C                                                                                                              |
| environmental category during operation according to IEC 60721 | 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 ... 95%, no condensation in operation permitted) |
| <b>Environmental footprint</b>                                 |                                                                                                                             |
| Environmental Product Declaration(EPD)                         | Yes                                                                                                                         |
| Global Warming Potential [CO2 eq] total                        | 0.787 kg                                                                                                                    |
| Global Warming Potential [CO2 eq] during manufacturing         | 0.566 kg                                                                                                                    |
| Global Warming Potential [CO2 eq] during operation             | 0.235 kg                                                                                                                    |
| Global Warming Potential [CO2 eq] after end of life            | -0.015 kg                                                                                                                   |
| <b>Installation/ mounting/ dimensions</b>                      |                                                                                                                             |
| <b>fastening method</b>                                        |                                                                                                                             |
| • of modules and accessories                                   | Floor mounting                                                                                                              |
| • of AS-i slaves                                               | Floor mounting                                                                                                              |
| height                                                         | 60 mm                                                                                                                       |
| width                                                          | 23.8 mm                                                                                                                     |
| depth                                                          | 53.5 mm                                                                                                                     |
| <b>Approvals Certificates</b>                                  |                                                                                                                             |
| General Product Approval                                       | EMV                                                                                                                         |

[Confirmation](#)



| Test Certificates                        | other                                              | Environment                                                 |
|------------------------------------------|----------------------------------------------------|-------------------------------------------------------------|
| <a href="#">Special Test Certificate</a> | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Confirmation</a>                                |
|                                          |                                                    | <a href="#">EPD Typ II/III (with life cycle assessment)</a> |

#### 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=3SU1400-2EK10-6AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2EK10-6AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2EK10-6AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-2EK10-6AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2EK10-6AA0&lang=en)



