



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 Prohibition (Date)	10/01/2014
SVHC substance name	Blei - 7439-92-1 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
• 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

Ambient conditions	
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	-25 ... +70 °C -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)

Environmental footprint	
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

Installation/ mounting/ dimensions	
<b>fastening method</b>	
<ul style="list-style-type: none"> <li>of modules and accessories</li> <li>of AS-i slaves</li> </ul>	Floor mounting Floor mounting
<b>height</b>	60 mm
<b>width</b>	23.8 mm
<b>depth</b>	53.5 mm

Approvals Certificates		
General Product Approval	EMC	Declaration of Conformity

[Confirmation](#)



Test Certificates	other	Environment
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

[Environmental Confirmations](#)

#### 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)



