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Data sheet   **3SU1400-1EK10-6AA0**

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

product brand name	SIRIUS ACT
product designation	AS-Interface module
product type designation	3SU1
General technical data	
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
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
Communication/ Protocol	
protocol is supported AS-Interface protocol	Yes
Inputs/ Outputs	
number of digital inputs	4
● safety-related	0
number of digital outputs	4
Connections/ Terminals	
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 mm²)
● finely stranded without core end processing	1x (0.2 ... 0.5 mm²)
● for AWG cables	1x (26 ... 20)
Product Function	
product function suitable for safety function	No
suitability for use safety-related circuits	No
Ambient conditions	
ambient temperature	

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● 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)

Installation/ mounting/ dimensions

fastening method	
● of modules and accessories	Front plate mounting
● of AS-i slaves	Frontplattenbefestigung
height	60 mm
width	23.8 mm
depth	53.5 mm

Certificates/ approvals

General Product Approval			EMC	Declaration of Conformity	
[Confirmation](#)	UL	EAC	RCM	UK CA	CE EG-Konf.

Test Certificates		other	Environment
[Type Test Certificates/Test Report](#)	[Special Test Certificate](#)	[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=3SU1400-1EK10-6AA0
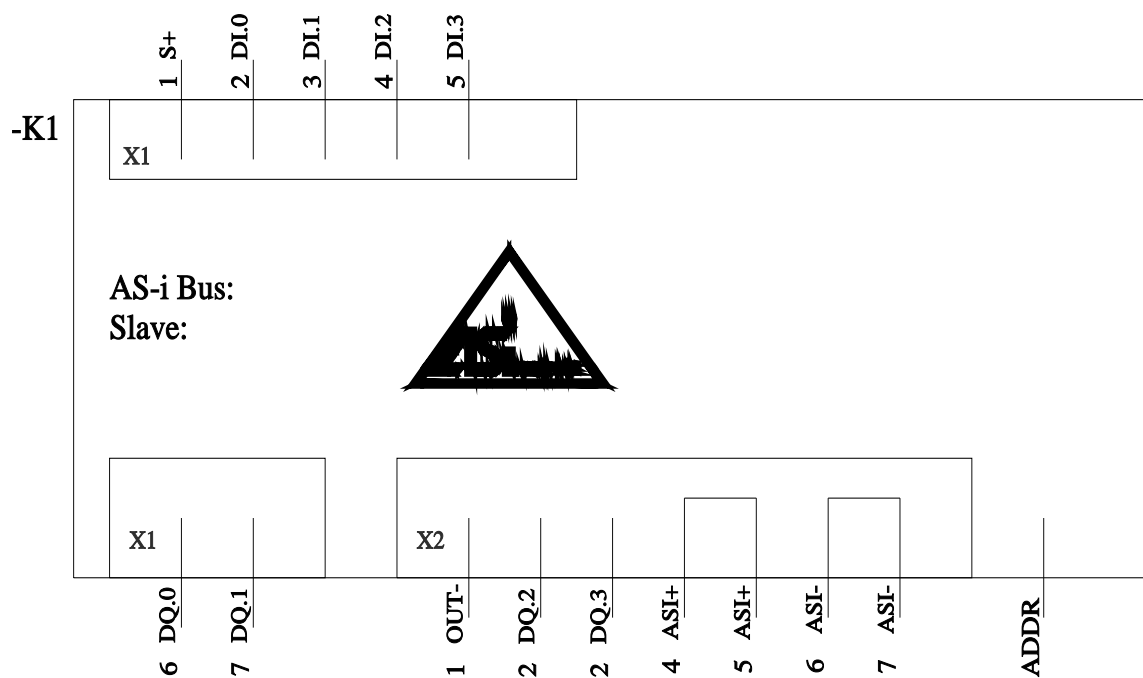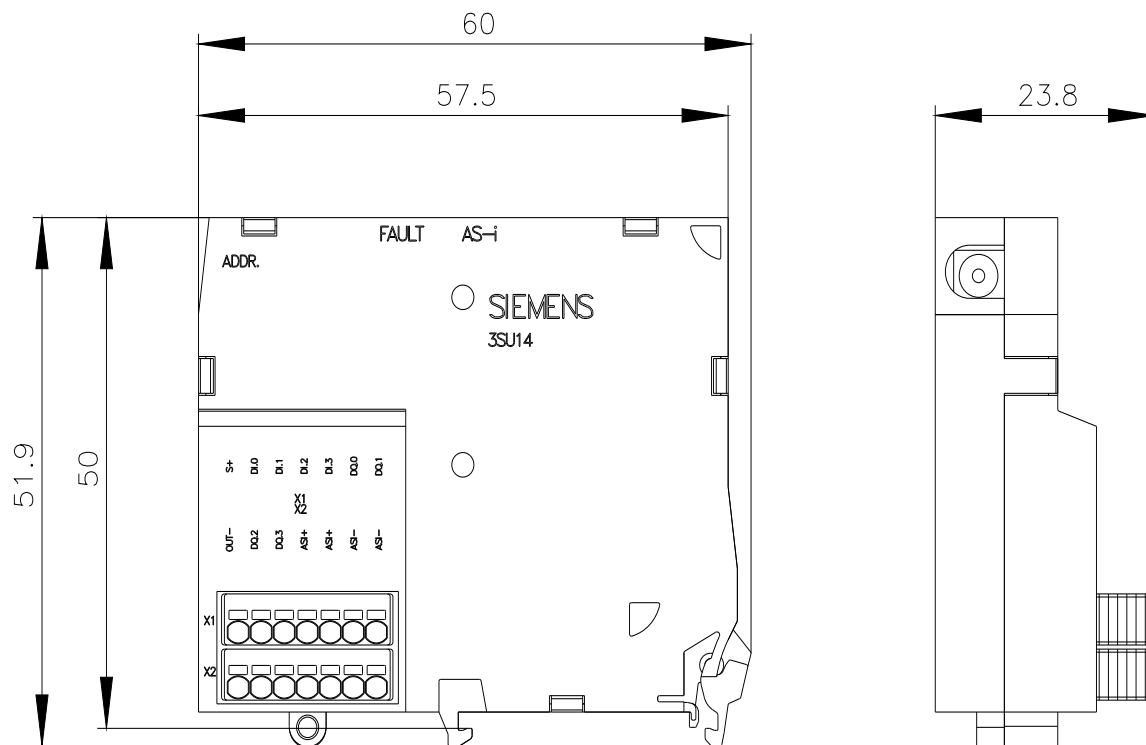**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1EK10-6AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1EK10-6AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1EK10-6AA0&lang=en

60

57.5

23.8

FAULT   AS-i

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3SU14

51.9

50

S+ DI.0 DI.1 DI.2 DI.3 DQ.0 DQ.1

X1
X2

OUT- DQ.2 DQ.3 ASI+ ASI+ ASI- ASI-

X1

X2

-K1

X1

1 S+
2 DI.0
3 DI.1
4 DI.2
5 DI.3

AS-i Bus:
Slave:

X1

X2

6 DQ.0
7 DQ.1

1 OUT-
2 DQ.2
2 DQ.3
4 ASI+
5 ASI+
6 ASI-
7 ASI-

ADDR

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