

Siemens
EcoTech



AS-Interface module, 4 inputs and 3 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 / 3 DQ AB
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 Prohibittance (Date)	10/01/2014
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Diboron trioxide - 1303-86-2
Net Weight	58 g
design of the device type	4 DI / 3 DQ AB
AS-Interface device profile	S-7.A.E
ID1 code	0...7
number of AS-i devices	1
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
• ASIsafe (Safety at work) protocol	No
Inputs/ Outputs	
number of digital inputs	4
• safety-related	0
number of digital outputs	3
Connections/ Terminals	
type of electrical connection	spring-loaded terminal (push-in)
type of connectable conductor cross-sections	

- solid without core end processing
- finely stranded without core end processing
- for AWG cables

1x (0.14 ... 0.5 mm²)
 1x (0.2 ... 0.5 mm²)
 1x (26 ... 20)

Product Function

suitability for use safety-related circuits No

Safety related data

product function suitable for safety function No

test wear-related service life necessary No

ISO 13849

category according to ISO 13849-1 4

device type according to ISO 13849-1 1

IEC 61508

hardware fault tolerance according to IEC 61508 1

Ambient conditions

ambient temperature

- 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 the AS-i devices Floor mounting

height 57.5 mm

width 23.8 mm

depth 53.5 mm

Approvals Certificates

Environmental Product Declaration

- 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 -0.0145 kg
- global warming potential [CO₂ eq] / total 0.787 kg

Environment

General Product Approval



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[Environmental Con-
firmations](#)



EG-Konf.



General Product Ap-
proval

EMV

Test Certificates

Maritime application



RCM

[Type Test Certific-
ates/Test Report](#)

[Special Test Certific-
ate](#)



LRS

Maritime application

other



PRS



RINA



[Confirmation](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1400-1EJ10-6AA0>

Cax online generator

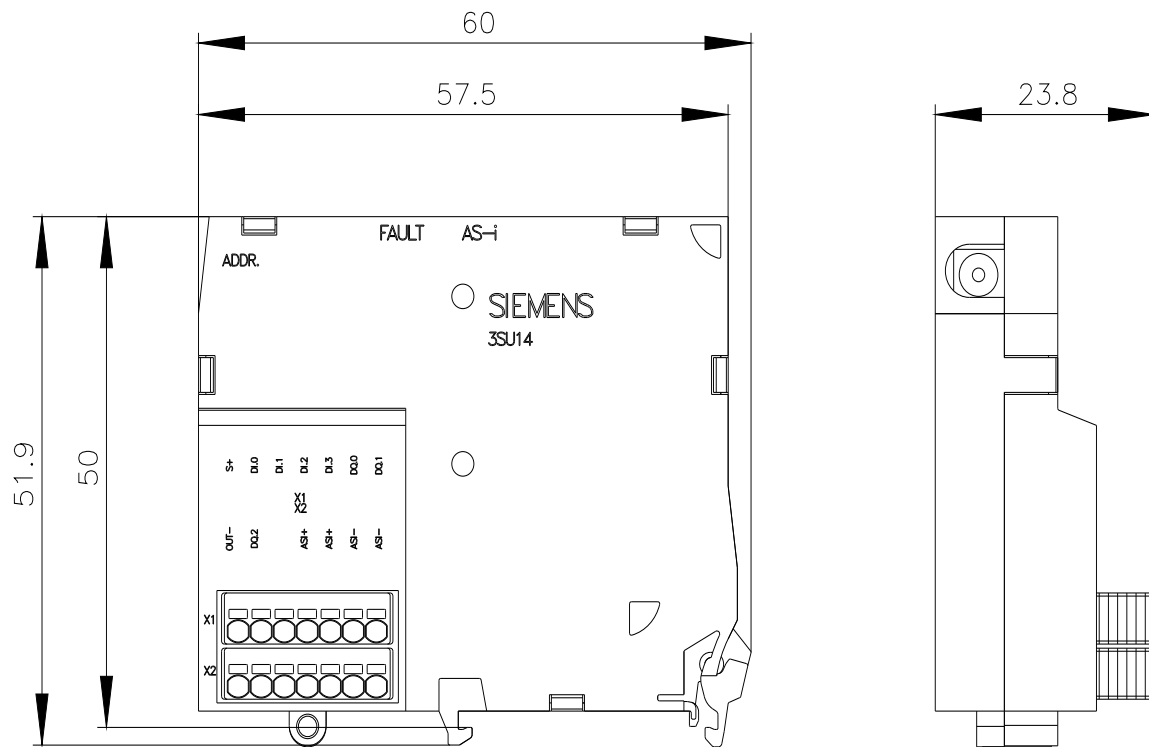
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1EJ10-6AA0>

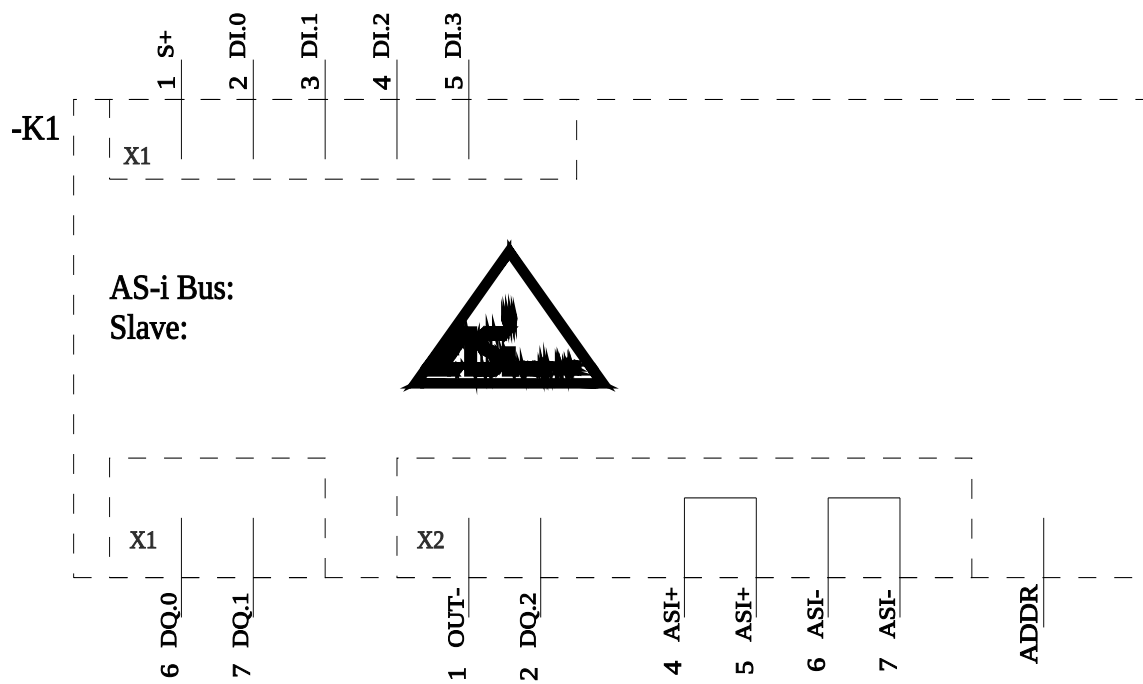
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1EJ10-6AA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1EJ10-6AA0&lang=en





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