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Data sheet   3SU1400-2EK10-6AA0

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

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 acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	A
Reference code acc. to DIN EN 81346-2	K

Reference code acc. to DIN EN 61346-2	K
Design of the slave type	4 DI / 4 DO
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	Push-in terminal
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)
• at AWG conductors	1x (26 ... 20)

Product Function

Suitability for use	
• safety-related circuits	No

Ambient conditions

Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
Environmental category during operation acc. 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

Mounting type	
• of modules and accessories	Floor mounting
• of AS-i slaves	Floor mounting
Height	60 mm
Width	23.8 mm
Depth	53.5 mm

03/12/2020

Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity	Test Certificates
UL EAC	RCM	CE EG-Konf.	Miscellaneous Type Test Certificates/Test Report

Test Certificates	other
Special Test Certificate	Confirmation

Further information

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
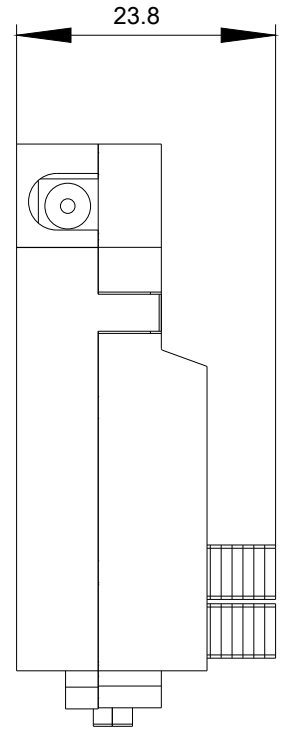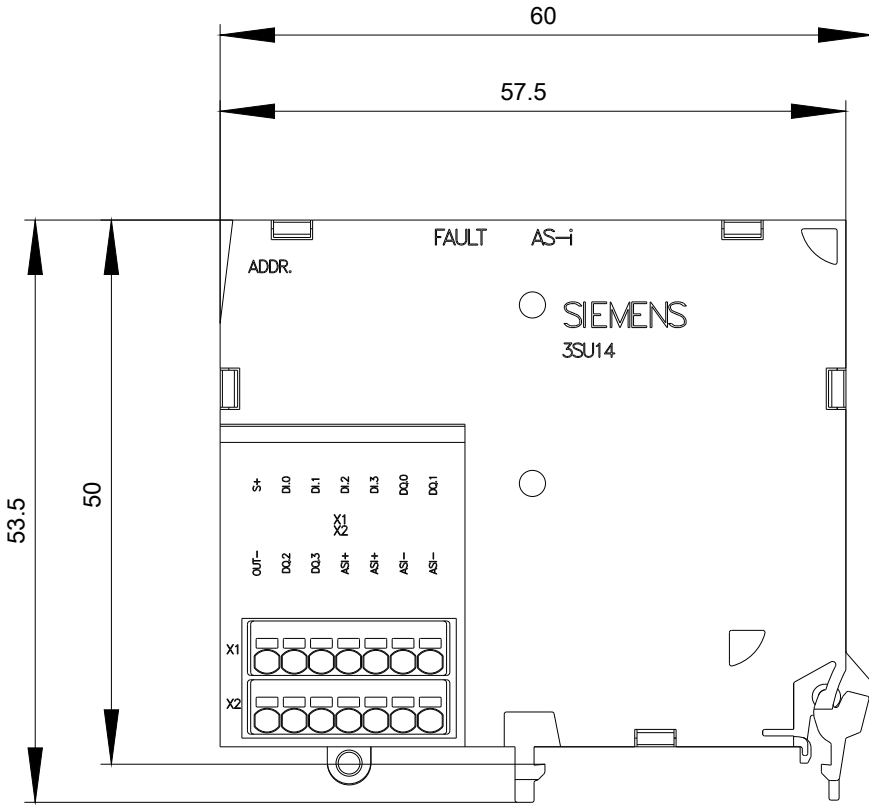
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2EK10-6AA0
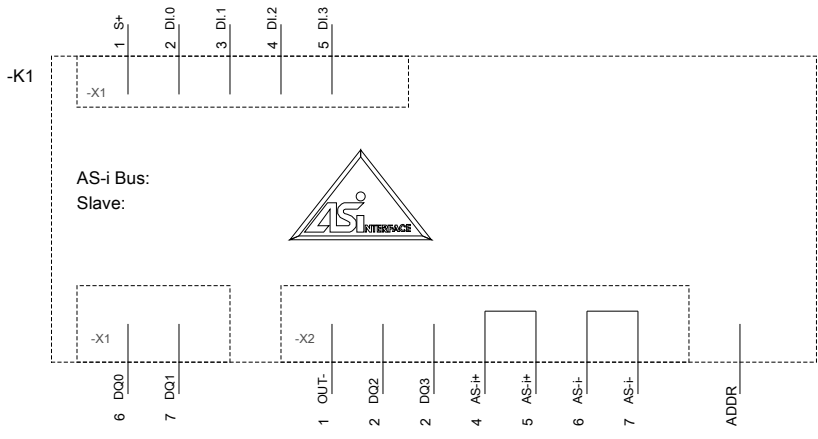
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2EK10-6AA0

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

60

57.5

23.8

FAULT   AS−i

ADDR.

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3SU14

53.5

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 DQ0	7 DQ1		1 OUT-	2 DQ2	2 DQ3	4 AS-i+	5 AS-i+	6 AS-i-	7 AS-i-	ADDR

last modified: 03/10/2020