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Data sheet 3SU1400-2EK10-6AA0



AS-Interface module, 4 inputs and 4 outputs, black, spring-loaded terminal (push-in), for input/output, for base 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 (day/month/year)	10/01/2014
SVHC substance name	Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1 Diboron trioxide CAS-No. 1303-86-2
Net Weight	40.38 g
design of the device type	4 DI / 4 DQ
AS-Interface device profile	S-7.0.E
ID1 code	0...F
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
Control circuit/ Control	
consumed current per input	2 mA
Inputs/ Outputs	
number of digital inputs	4
● note	Inputs are only used to check LOG 1 / LOG 0

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● 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)
ampacity per pin maximum	120 mA
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	Floor mounting
● of the AS-i devices	Floor mounting
height	60 mm
width	23.8 mm
depth	53.5 mm
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
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

Environmental Confirmations

General Product Approval











General Product Approval



EMV



Test Certificates

Special Test Certificate

Type Test Certificates/Test Report

Maritime application



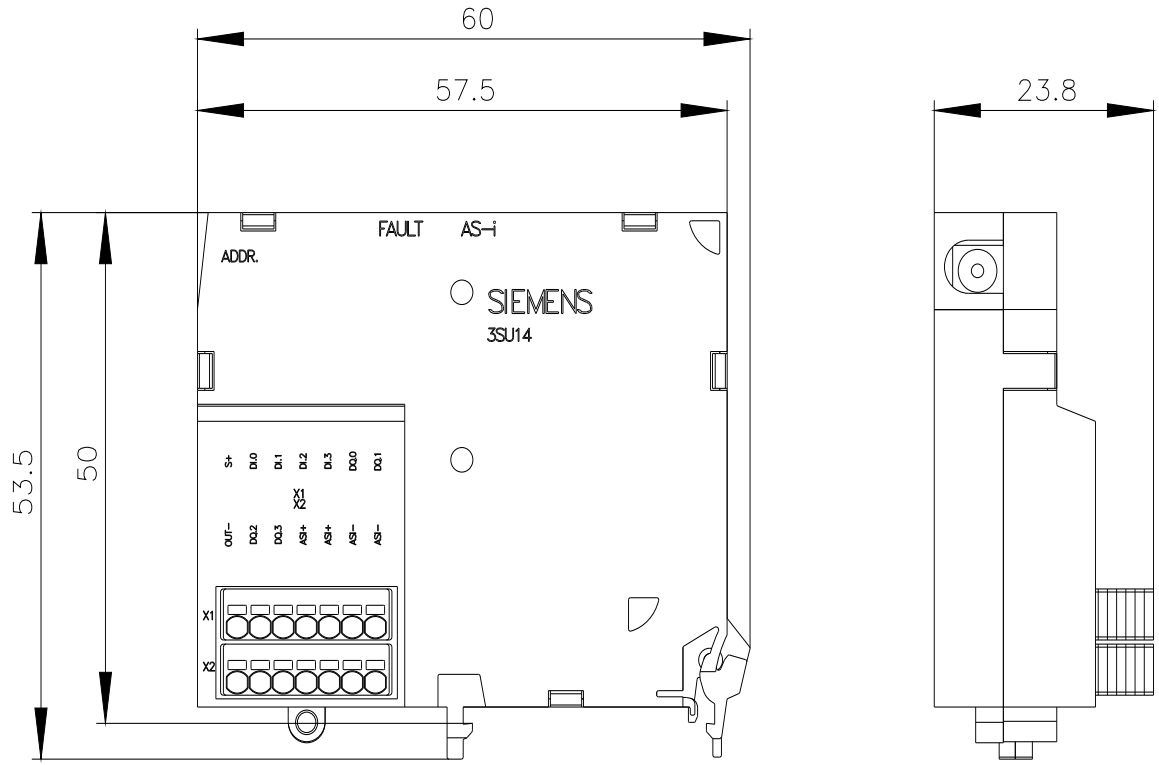


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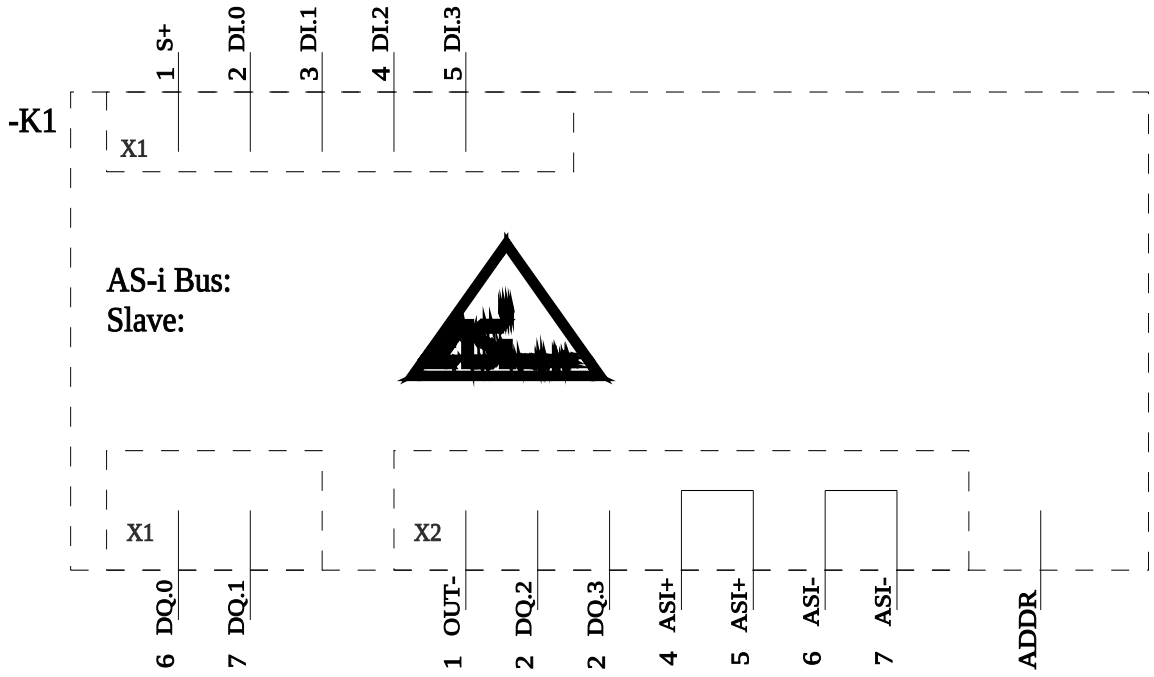
Maritime application	other
LRS PRS RINA	Confirmation

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=3SU1400-2EK10-6AA0
Cax online generator
https://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, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2EK10-6AA0&lang=en



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