

Siemens
EcoTech



AS-Interface module, A/B slave, 4 inputs and 3 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 / 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
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
• 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)		
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		
safe state	off		
test wear-related service life necessary	No		
IEC 62061			
Safety Integrity Level (SIL) according to IEC 62061	SIL 3		
ISO 13849			
performance level (PL) according to ISO 13849-1	PL e		
category according to ISO 13849-1	4		
device type according to ISO 13849-1	1		
IEC 61508			
safety device type according to IEC 61508-2	Type B		
hardware fault tolerance according to IEC 61508	1		
T1 value of service life according to IEC 61508	20 a		
Ambient conditions			
ambient temperature	• during operation • during storage -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		
Siemens Eco Profile (SEP)	Siemens EcoTech		
Installation/ mounting/ dimensions			
fastening method	• of modules and accessories • of the AS-i devices Floor mounting Floor mounting		
height	57.5 mm		
width	23.8 mm		
depth	53.5 mm		
Approvals Certificates			
General Product Approval		EMV	Test Certificates
CE EG-Konf. UK CA c UL us EAC RCM		Special Test Certificate	
Test Certificates	Maritime application		other
Type Test Certificates/Test Report	BUREAU VERITAS Lloyd's Register LRS PRS RINA 产品合格 QC PASS		
other	Environment		



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=3SU1400-2EJ10-6AA0>

Cax online generator

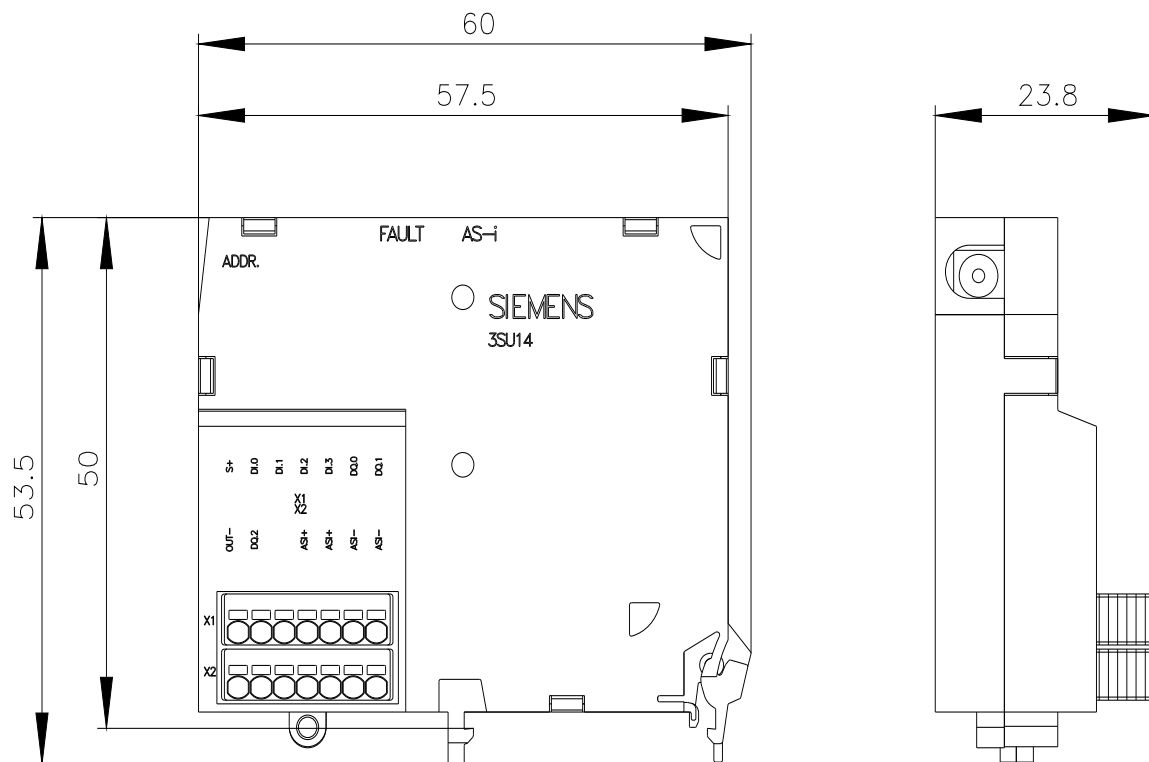
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2EJ10-6AA0>

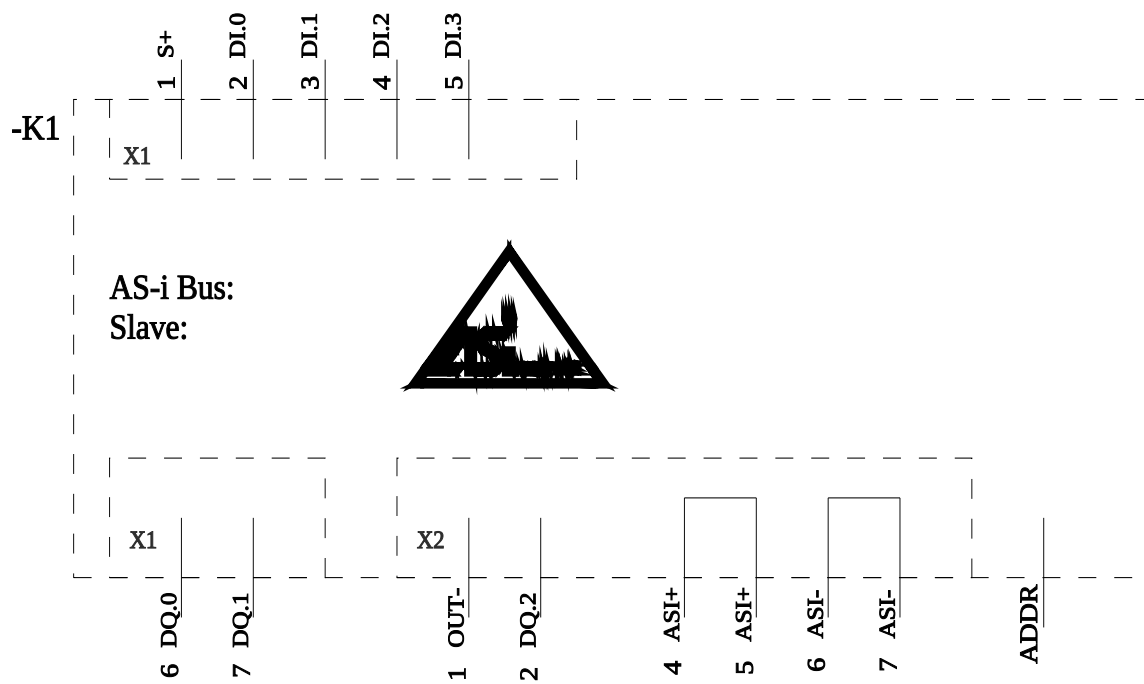
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2EJ10-6AA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2EJ10-6AA0&lang=en





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9/13/2025