3SU1400-1EK10-6AA0

**Data sheet** 



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

product designation	product brand name	SIRIUS ACT			
General technical data  product function	product designation	AS-Interface module			
product function 4 DI / 4 DQ degree of pollution 3 type of voltage • of the operating voltage • of the operating voltage • of the operating voltage • of the input voltage Consumed current maximum  protection class IP shock resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 reference code according to IEC 81348-2 K Substance Prohibitance (Date) design of the slave type 4 DI / 4 DQ AS-Interface slave profile S-7.0.E ID1 code 0F 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 Imputs/ Outputs  1 unumber of digital inputs 4 • safety-related 0 number of digital contection type of electrical connection type of connectable conductor cross-sections • solid without core end processing • for AWG cables  Product Function Product function suitable for safety function No suitability for use safety-related circuits No	product type designation	3SU1			
type of voltage  of the operating voltage of the operating voltage of the operating voltage of the input voltage DC consumed current maximum 150 mA protection class IP protection class IP shock resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 Category 1, Class B  vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications exposed to M 10/10/2014 design of the Saley related value operating voltage rail of EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 vi	· // ·				
type of voltage  • of the operating voltage  • of the input voltage  consumed current maximum  protection class IP  shock resistance for railway applications according to EN 61373  vibration resistance for railway applications according to EN 61373  reference code according to IEC 81346-2  K  Substance Prohibitance (Date)  design of the slave type  AB-Interface slave profile  ID1 code  number of AS-i slaves  protocol is supported ASIsafe (Safety at work) protocol  operating voltage rated value  operating voltage 1 at DC rated value  protocol is supported ASI-Interface protocol  protocol is supported by the safety-related  o outputs  number of digital inputs  • safety-related  o outputs  type of electrical connection  type of electrical connection  type of connectable conductor cross-sections  • solid without core end processing  • inclusion for safety function  No  suitability for use safety-related circuits  No	product function	4 DI / 4 DQ			
of the operating voltage of the input voltage consumed current maximum protection class IP shock resistance for railway applications according to EN 61373 vibration resistance for railway applications according to EN 61373 reference code according to IEC 81346-2 K Substance Prohibitance (Date) design of the slave type 4 DI / 4 DQ  AS-Interface slave profile ID1 code 0F number of AS-i slaves protocol is supported ASIsafe (Safety at work) protocol operating voltage 1 at DC rated value 0 operating voltage 1 at DC rated value 0 operating voltage 1 at DC rated value  Communication! Protocol protocol is supported AS-Interface protocol   Yes	degree of pollution	3			
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consumed current maximum 150 mA 150 m	<ul> <li>of the operating voltage</li> </ul>	DC			
protection class IP shock resistance for railway applications according to EN 61373 category 1, Class B vibration resistance for railway applications according to EN 61373 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 0F number of AS-i slaves 1 protocol is supported AS-lasfe (Safety at work) protocol operating voltage rated value operating voltage rated value operating voltage rated value 30 V  Communication/ Protocol protocol is supported AS-Interface protocol Yes Inputs/ Outputs number of digital inputs • safety-related 0 number of digital outputs  type of electrical connection type of connectable conductor cross-sections • solid without core end processing • for AWG cables  Product Function product function spring-loaded terminal tx (2 0.5 mm²) • for AWG cables  Product Function No suitability for use safety-related circuits No	of the input voltage	DC			
shock resistance for railway applications according to EN 61373  vibration resistance for railway applications according to EN 61373  reference code according to IEC 81346-2  Substance Prohibitance (Date)  design of the slave type  AS-Interface slave profile  ID1 code  number of AS-i slaves  protocol is supported ASIsafe (Safety at work) protocol  operating voltage rated value  operating voltage rated value  operating voltage 1 at DC rated value  operation / Protocol  Inputs/ Outputs  number of digital inputs  • safety-related  number of digital outputs  Connections/ Terminals  type of electrical connection  type of connectable conductor cross-sections  • solid without core end processing  • finely stranded without core end processing  • for AWG cables  Product Function  product function suitable for safety function  No  suitability for use safety-related circuits  No	consumed current maximum	150 mA			
vibration resistance for railway applications according to EN 61373  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 5-7.0.E  ID1 code 0F  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  number of digital inputs 4  • safety-related 0  number of digital outputs 4  Connections/ Terminals type of electrical connection 5  • solid without core end processing 1x (0.14 0.5 mm²) • finely stranded without core end processing 5  • for AWG cables 7  Product Function  product function suitable for safety function No suitability for use safety-related circuits No	protection class IP	IP20			
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 0F  number of AS-i slaves 1 protocol is supported ASIsafe (Safety at work) protocol No operating voltage rated value 30 V  Communication/ Protocol protocol is supported AS-Interface protocol Yes  Inputs/ Outputs  number of digital inputs 4	shock resistance for railway applications according to EN 61373	Category 1, Class B			
Substance Prohibitance (Date)  design of the slave type  AS-Interface slave profile  S-7.0.E  ID1 code  number of AS-I slaves  protocol is supported AS-Interface protocol  4  Communication/ Protocol  protocol is supported AS-Interface protocol  yes  Inputs/ Outputs  4  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)  • for AWG cables  Product Function  product function suitable for safety function  No  suitability for use safety-related circuits		Category 1, Class B			
design of the slave type 4 DI / 4 DQ  AS-Interface slave profile S-7.0.E  ID1 code 0F  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 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	reference code according to IEC 81346-2	К			
AS-Interface slave profile  ID1 code  number of AS-i slaves  protocol is supported ASIsafe (Safety at work) protocol  operating voltage rated value  operating voltage 1 at DC rated value  Communication/ Protocol  protocol is supported AS-Interface protocol  route of digital inputs  • safety-related  number of digital outputs  type of electrical connection  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  Product Function  product function suitable for safety function  No  suitability for use safety-related circuits  No	Substance Prohibitance (Date)	10/01/2014			
ID1 code  number of AS-i slaves  protocol is supported ASIsafe (Safety at work) protocol  operating voltage rated value  operating voltage 1 at DC vo	design of the slave type	4 DI / 4 DQ			
number of AS-i slaves protocol is supported ASIsafe (Safety at work) protocol 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  Protocol is supported AS-Interface protocol  Protocol is supported AS-Interface protocol  Protocol is supported AS-Interface protocol  Inputs/ Outputs  number of digital inputs 4 • safety-related 0 number of digital outputs  type of electrical connection  type of connectable conductor cross-sections • solid without core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables  Product Function  product Function  No suitability for use safety-related circuits No	AS-Interface slave profile	S-7.0.E			
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operating voltage 1 at DC rated value  Communication/ Protocol  protocol is supported AS-Interface protocol  Protocol is supported AS-Interface protocol  Inputs/ Outputs  number of digital inputs  • 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  • finely stranded without core end processing  • for AWG cables  Product Function  product function suitable for safety function  suitability for use safety-related circuits  No	protocol is supported ASIsafe (Safety at work) protocol	No			
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protocol is supported AS-Interface protocol  Inputs/ Outputs  number of digital inputs  • safety-related  0 number of digital outputs  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  Product Function  product function suitable for safety function  suitability for use safety-related circuits  No	operating voltage 1 at DC rated value	30 V			
Inputs/ Outputs  number of digital inputs  • safety-related  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  • solid without core end processing  • finely stranded without core end processing  • for AWG cables  Product Function  product function suitable for safety function  suitability for use safety-related circuits  No	Communication/ Protocol				
number of digital inputs  • 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  • finely stranded without core end processing  • for AWG cables  Product Function  product function suitable for safety function  suitability for use safety-related circuits  A  4  Connections  spring-loaded terminal (push-in)  1x (0.14 0.5 mm²)  1x (0.2 0.5 mm²)  1x (26 20)  Product Function  No	protocol is supported AS-Interface protocol	Yes			
safety-related     o     number of digital outputs      Connections/ Terminals      type of electrical connection	Inputs/ Outputs				
number of digital outputs  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	number of digital inputs	4			
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	safety-related	0			
type of electrical connection  type of connectable conductor cross-sections  • solid without core end processing • finely stranded without core end processing • for AWG cables  Product Function  product function suitable for safety function  suitability for use safety-related circuits  spring-loaded terminal (push-in)  1x (0.14 0.5 mm²)  1x (0.2 0.5 mm²)  1x (26 20)  No	number of digital outputs	4			
type of connectable conductor cross-sections  • solid without core end processing  • finely stranded without core end processing  • for AWG cables  Product Function  product function suitable for safety function  suitability for use safety-related circuits  No	Connections/ Terminals				
solid without core end processing     inely stranded without core end processing     in x (0.14 0.5 mm²)     inely stranded without core end processing     in x (26 20)  Product Function  Product function suitable for safety function  No  No	type of electrical connection	spring-loaded terminal (push-in)			
<ul> <li>finely stranded without core end processing</li> <li>for AWG cables</li> <li>for AWG cables</li> <li>1x (26 20)</li> <li>Product Function</li> <li>product function suitable for safety function</li> <li>suitability for use safety-related circuits</li> <li>No</li> </ul>	type of connectable conductor cross-sections				
	<ul> <li>solid without core end processing</li> </ul>	1x (0.14 0.5 mm²)			
Product Function  product function suitable for safety function No suitability for use safety-related circuits No	<ul> <li>finely stranded without core end processing</li> </ul>	1x (0.2 0.5 mm²)			
product function suitable for safety function No suitability for use safety-related circuits No	• for AWG cables	1x (26 20)			
suitability for use safety-related circuits  No	Product Function				
	product function suitable for safety function	No			
Ambient conditions	suitability for use safety-related circuits	No			
Ambient conditions	Ambient conditions				
ambient temperature	ambient temperature				

<ul> <li>during operation</li> </ul>	-25 +70 °C			
during storage	-40 +80 °C			
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3 (without s 95%, no condensation in opera	alt spray), 3K6 (with relative humidity of 10 ation permitted)		
Installation/ mounting/ dimensions				
fastening method				
<ul> <li>of modules and accessories</li> </ul>	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











	Test Certificates	other	Environment
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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

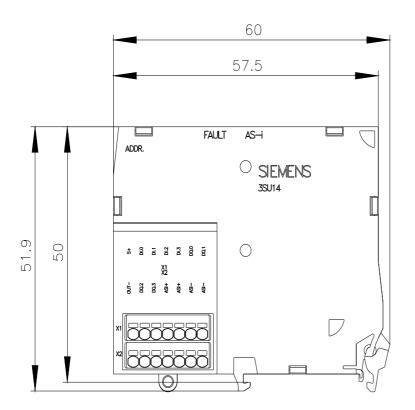
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1EK10-6AA0

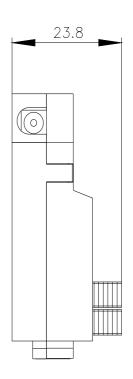
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

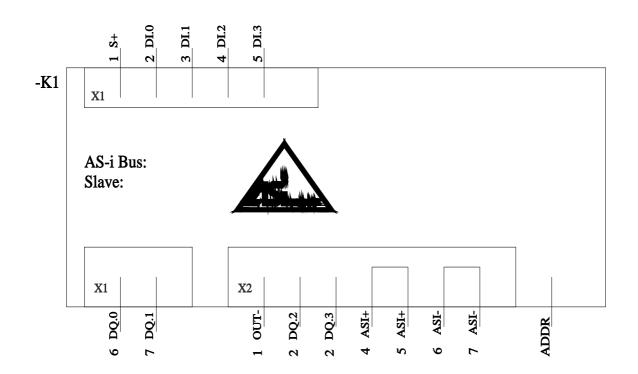
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1EK10-6AA0

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

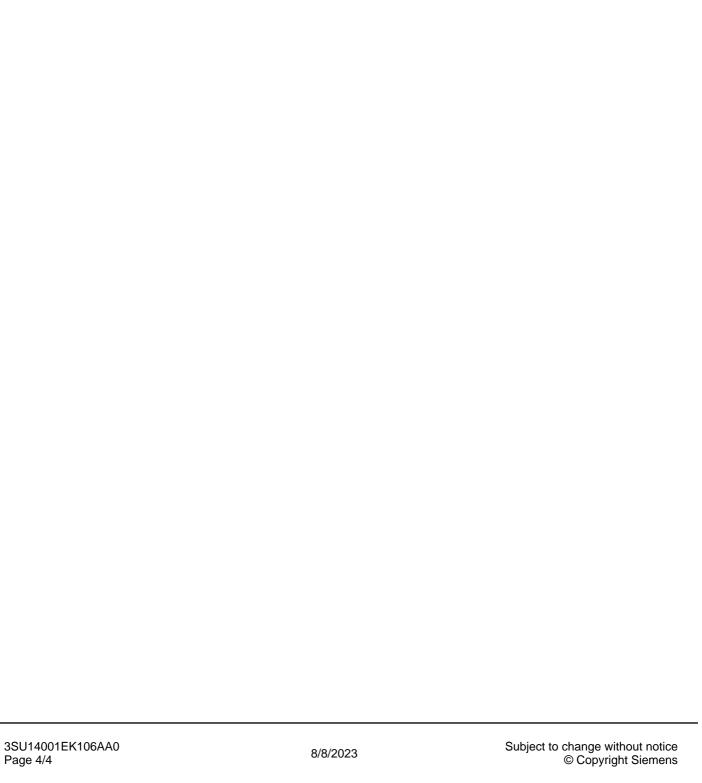
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1400-1EK10-6AA0&lang=en







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