## 3SU1400-2EK10-6AA0



**Data sheet** 

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

product type designation product type designation General technical data  product function degree of pollution 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	product brand name	SIRIUS ACT	
General technical data product function degree of pollution type of voltage of the operating voltage of the operating voltage of the operating voltage of the input voltage OC 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 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 61470 Cate	product designation	AS-Interface module	
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type of voltage  • of the operating voltage  • of the input 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  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  K  Category 1, Class B  A	product function	4 DI / 4 DQ	
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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  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  operating voltage 1 at DC rated value  operating voltage 1 at DC rated value  operation of digital inputs  • safety-related  number of digital outputs  Connections/ Terminals  type of electrical connection  syring-loaded terminal (push-in)  type of connectable conductor cross-sections  • solid without core end processing  • at AWG cables  Product Function  suitability for use safety-related circuits  No	type of 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 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 rated value operating voltage rated value operating voltage 1 at DC rated value 0. Tes  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 • at AWG cables  Product Function suitability for use safety-related circuits  No	<ul> <li>of the operating voltage</li> </ul>	DC	
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  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 yrotocol is supported AS-Interface protoc	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  K Substance Prohibitance (Date)	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 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) • at AWG cables 1x (26 20)  Product Function  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 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  Inputs/ Outputs  number of digital inputs 4		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 ASIsafe (Safety at work) protocol  operating voltage rated value  operating voltage 1 at DC rated value  Touth of the supported AS-Interface protocol  protocol is supported AS-Interface protocol  Yes  Inputs/ Outputs  number of digital inputs  • safety-related  o 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  • at AWG cables  Product Function  suitability for use safety-related circuits  No		Category 1, Class B	
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 1 at DC rated value  Tocomunication/ 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  • finely stranded without core end processing  • at AWG cables  Product Function  suitability for use safety-related circuits  No	reference code according to IEC 81346-2	K	
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  Operating voltage 1 at DC rated value  Operating voltage 1 at DC rated value  Ves  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 • at AWG cables  Product Function  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 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  protocol is supported AS-Interface protocol  protocol is supported AS-Interface 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 • solid without core end processing • finely stranded without core end processing • at AWG cables  Product Function suitability for use safety-related circuits  No	design of the slave type	4 DI / 4 DQ	
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operating voltage rated value operating voltage 1 at DC rated value  Communication/ Protocol protocol is supported AS-Interface protocol  Inputs/ Outputs  number of digital inputs • safety-related  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 • at AWG cables  Product Function suitability for use safety-related circuits  18 31.6 V 30 V  20 V  80 V	number of AS-i slaves	1	
operating voltage 1 at DC rated value  Communication/ Protocol protocol is supported AS-Interface protocol  Inputs/ Outputs  number of digital inputs	protocol is supported ASIsafe (Safety at work) protocol	No	
Communication/ Protocol 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 type of connectable conductor cross-sections • solid without core end processing • finely stranded without core end processing • at AWG cables  Product Function suitability for use safety-related circuits  Yes  4  Connections/ Yes  4  Connections/ 10  10  10  10  10  10  10  10  10  10	operating voltage rated value	18 31.6 V	
Inputs/ Outputs  number of digital inputs  • safety-related  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  • at AWG cables  Product 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  0  number of digital outputs  4  Connections/ Terminals  type of electrical connection  type of connectable conductor cross-sections  ◆ solid without core end processing  ◆ finely stranded without core end processing  ◆ at AWG cables  Product Function  suitability for use safety-related circuits  4  Connections/  4  Connections/  1 x (0.14 0.5 mm²)  1 x (0.2 0.5 mm²)  1 x (0.2 0.5 mm²)  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  ● at AWG cables  Product Function  suitability for use safety-related circuits  No	protocol is supported AS-Interface protocol	Yes	
<ul> <li>safety-related</li> <li>number of digital outputs</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>spring-loaded terminal (push-in)</li> <li>type of connectable conductor cross-sections</li> <li>solid without core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> <li>1x (0.14 0.5 mm²)</li> <li>at AWG cables</li> <li>1x (26 20)</li> <li>Product Function</li> <li>suitability for use safety-related circuits</li> <li>No</li> </ul>	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)  • at AWG cables 1x (26 20)  Product Function  suitability for use safety-related circuits No	number of digital inputs	4	
type of electrical connection  type of connectable conductor cross-sections  • solid without core end processing  • finely stranded without core end processing  • at AWG cables  Product 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)	safety-related	0	
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 at AWG cables  Product 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)  Product Function	number of digital outputs	4	
type of connectable conductor cross-sections  • solid without core end processing  • finely stranded without core end processing  • at AWG cables  Product Function  suitability for use safety-related circuits  1x (0.14 0.5 mm²)  1x (0.2 0.5 mm²)  1x (26 20)	Connections/ Terminals		
<ul> <li>solid without core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> <li>1x (0.14 0.5 mm²)</li> <li>at AWG cables</li> <li>1x (26 20)</li> <li>Product Function</li> <li>suitability for use safety-related circuits</li> <li>No</li> </ul>	type of electrical connection	spring-loaded terminal (push-in)	
<ul> <li>finely stranded without core end processing         <ul> <li>1x (0.2 0.5 mm²)</li> <li>at AWG cables</li> <li>1x (26 20)</li> </ul> </li> <li>Product Function         <ul> <li>suitability for use safety-related circuits</li> <li>No</li> </ul> </li> </ul>	type of connectable conductor cross-sections		
• at AWG cables 1x (26 20)  Product Function  suitability for use safety-related circuits No	<ul> <li>solid without core end processing</li> </ul>	1x (0.14 0.5 mm²)	
Product Function suitability for use safety-related circuits  No	<ul> <li>finely stranded without core end processing</li> </ul>	1x (0.2 0.5 mm²)	
suitability for use safety-related circuits  No	<ul><li>at AWG cables</li></ul>	1x (26 20)	
	Product Function		
Ambient conditions	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 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				
<ul> <li>of modules and accessories</li> </ul>	Floor mounting			
<ul> <li>of AS-i slaves</li> </ul>	Floor mounting			
height	60 mm			
width	23.8 mm			
depth	53.5 mm			
Certificates/ approvals				
General Product Approval	EMC	Declaration of Conformity		

Confirmation









**Test Certificates** other

**Special Test Certific-**<u>ate</u>

Type Test Certificates/Test Report

**Environmental Confirmations** 

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

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1400-2EK10-6AA0}$ 

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

1/27/2022 last modified: