## **SIEMENS**

## **Data sheet**



Electronics module for IO-Link, black, 8 inputs/outputs, user-programmable, default 6 DI/2 DQ, Spring-type terminal (Push-in), for floor mounting

Insulation voltage rated value         30 V           degree of pollution         3           type of voltage         P           of the operating voltage         DC           of the input voltage         DC           surge voltage resistance rated value         0.8 kV           consumed current maximum         41 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         P           Substance Prohibitance (Date)         10/01/2014           operating voltage rated value         18 30 V           operating voltage rated value         24 V           communication/ Protocol         Yes           protocol is supported         No           AS-Interface protocol         No           O-Link protocol         Yes           IO-Link transfer rate         COM2 (38.4 kBaud)           point-to-point cycle time between master and IO-Link device minimum         Yes           data volume         2 byte           of the address range of the inputs with cyclical transfer total         2 byte           <	product brand name	SIRIUS ACT
Seneral technical data  insulation voltage rated value  of the operating voltage  of the operating voltage  of the operating voltage  of the operating voltage  of the input voltage  of the operating voltage  of the input voltage  of the input voltage  of the operating voltage  of the input voltage  of the input voltage  of the operating voltage  of the input voltage  of the operating voltage  of the input voltage  of the input voltage  of the operating voltage resistance rated value  observed the input voltage  observed the input voltage  observed the input voltage  of the operating voltage resistance rated value  observed the input voltage rated value  operating voltage rate voltage  operating voltage r	product designation	Electronic module for IO-Link
Insulation voltage rated value         30 V           degree of pollution         3           type of voltage         V           • of the operating voltage         DC           • of the input voltage         DC           surge voltage resistance rated value         0.8 kV           consumed current maximum         41 mA           protection class IP         IP20           shock resistance for railway applications according to EN 61373         Category 1, Class B           dibration resistance for railway applications according to EN 61373         Category 1, Class B           of 1373         Category 1, Class B           distance Prohibitance (Date)         10/01/2014           operating voltage rated value         24 V           operating voltage 1 al DC rated value         24 V           operating voltage 1 al DC rated value         No           • SO-Interface protocol         Yes           • No         Yes           IO-Link protocol         Yes           IO-Link protocol         Yes           Upon to voltage supply via input/output link master         Yes           of the address range of the inputs with cyclical transfer total         2 byte           of the address range of the outputs with cyclical transfer total         2 byte	product type designation	3SU1
degree of pollution         3           type of voltage         C           • of the operating voltage         DC           • of the input voltage         DC           surge voltage resistance rated value         0.8 kV           consumed current maximum         41 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           vibration 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           vibration 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           vibration resistance for railway applications according to EN 61373         Category 1, Class B           vibration resistance for railway applications according to EN 61373         Valegory 1, Class B           substance Prohibitance (Date of 1EC 81346-2         P           poperating voltage rated value         18 30 V           operating voltage rated value         No           • AS-Interface protocol         No	General technical data	
type of voltage  of the operating voltage of the operating voltage of the input voltage of the input voltage of the input voltage of the input voltage surge voltage resistance rated value  O. 8 kV  consumed current maximum 41 mA  protection class IP protection class IP 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 according to EN 61373 category 1, Class B 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 010712014  Perference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 10/01/20	insulation voltage rated value	30 V
• of the operating voltage • of the input voltage  surge voltage resistance rated value  consumed current maximum  41 mA  protection class IP  #P20  shock resistance for railway applications according to EN 61373  reference code according to IEC 81346-2  #P373  reference code according to IEC 81346-2  #P401373  reference code according to IEC 81346-2  #P401374  Protection of the dadue  #P401375  #P401375  #P401376  #P401377  #P401376  #P	degree of pollution	3
of the input voltage     surge voltage resistance rated value     Os. 8 kV     Onsumed current maximum     protection class IP     shock resistance for railway applications according to EN 61373     Shock resistance for railway applications according to EN 61373     shock resistance for railway applications according to EN 61373     reference code according to IEC 81346-2     P Substance Prohibitance (Date)     operating voltage rated value     operating voltage rated value     operating voltage 1 at DC rated value     Protocol is supported	type of voltage	
surge voltage resistance rated value  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  Category 1, Class B  Category 1, Class	of the operating voltage	DC
consumed current maximum 41 mA  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 Category 1, Class B  61373 Category 1, Class B  61373 reference code according to IEC 81346-2 P  Substance Prohibitance (Date) 10/01/2014  operating voltage rated value 18 30 V  operating voltage rated value 24 V  Communication/ Protocol  protocol is supported A.S-Interface protocol Yes  IO-Link protocol Yes  IO-Link transfer rate COM2 (38,4 kBaud)  point-to-point cycle time between master and IO-Link evice minimum  type of voltage supply via input/output link master Yes  data volume  of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  number of digital inputs  onote feely programmable  connections/ Terminals  type of electrical connection spring-loaded terminal (push-in)  type of connectable conductor cross-sections osolid with core end processing 1x (0.14 0.5 mm²)	of the input voltage	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  P  Substance Prohibitance (Date)  operating voltage rated value  operating voltage rated value  operating voltage rated value  e AS-Interface protocol  Frotocol is supported  e AS-Interface protocol  • IO-Link protocol  Pol-Link transfer rate  COM2 (38.4 kBaud)  point-to-point cycle time between master and IO-Link device minimum  e of the address range of the inputs with cyclical transfer total  e of the address range of the outputs with cyclical transfer total  e of the address range of the outputs with cyclical transfer total  e of the address range of the outputs with cyclical transfer total  e of digital inputs  e note  freely programmable  number of digital outputs  Connections / Terminals  type of oelectrical connection type of oelectrical connection s pring-loaded terminal (push-in) type of connectable conductor cross-sections e solid with core end processing  1x (0.14 0.5 mm²)	surge voltage resistance rated value	0.8 kV
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  61373 Category 1, Class B  61373 Category 1, Class B  P  Category 1, Class B  P  Category 1, Class B  P  Communication P  Communication Poters  Communicatio	consumed current maximum	41 mA
vibration resistance for railway applications according to EN 61373  Feference code according to IEC 81346-2  Substance Prohibitance (Date) Operating voltage rated value Operating voltage rated value Operating voltage rated value Operating voltage 1 at DC rated value Operating voltage 1 at DC rated value  AS-Interface protocol  Frotocol is supported  AS-Interface protocol  Yes  IO-Link transfer rate COM2 (38,4 kBaud)  point-to-point cycle time between master and IO-Link device minimum  type of voltage supply via input/output link master  4 of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  Potential inputs  number of digital inputs  number of digital inputs  number of digital outputs  Connections/ Terminals  type of connectable conductor cross-sections  o solid with core end processing  1x (0.14 0.5 mm²)	protection class IP	IP20
reference code according to IEC 81346-2 P Substance Prohibitance (Date) 10/01/2014 Operating voltage rated value 24 V  Communication/ Protocol  Protocol is supported	shock resistance for railway applications according to EN 61373	Category 1, Class B
Substance Prohibitance (Date)  operating voltage rated value  operating voltage 1 at DC rated value  24 V  Communication/ Protocol  protocol is supported  • AS-Interface protocol  • IO-Link protocol  IO-Link protocol  IO-Link protocol  IO-Link protocol  IO-Link protocol  IO-Link group in the protocol or supported or		Category 1, Class B
operating voltage rated value operating voltage 1 at DC rated value 24 V  Communication/ Protocol  protocol is supported	reference code according to IEC 81346-2	P
operating voltage 1 at DC rated value  Communication/ Protocol  protocol is supported  AS-Interface protocol  IO-Link protocol  Yes  IO-Link transfer rate  COM2 (38,4 kBaud)  point-to-point cycle time between master and IO-Link device minimum  type of voltage supply via input/output link master  4 of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  freely programmable  number of digital inputs  once  number of digital outputs  freely programmable  connections/ Torminals  type of electrical connection  spring-loaded terminal (push-in)  type of connectable conductor cross-sections  osolid with core end processing  1x (0.14 0.5 mm²)	Substance Prohibitance (Date)	10/01/2014
Protocol is supported  AS-Interface protocol  IO-Link protocol  Point-to-point cycle time between master and IO-Link device minimum  type of voltage supply via input/output link master  of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address	operating voltage rated value	18 30 V
Protocol is supported  AS-Interface protocol  No Yes  IO-Link protocol  Yes  IO-Link transfer rate  COM2 (38,4 kBaud)  10 ms  type of voltage supply via input/output link master  of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  number of digital inputs  once  number of digital outputs  type of electrical connectable conductor cross-sections o solid with core end processing  1x (0.14 0.5 mm²)	operating voltage 1 at DC rated value	24 V
AS-Interface protocol IO-Link protocol Yes  IO-Link transfer rate COM2 (38,4 kBaud)  point-to-point cycle time between master and IO-Link device minimum type of voltage supply via input/output link master data volume of the address range of the inputs with cyclical transfer total of the address range of the outputs with cyclical transfer total of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  freely programmable  number of digital inputs on total  number of digital outputs  freely programmable  connections/ Terminals  type of electrical connection spring-loaded terminal (push-in)  type of connectable conductor cross-sections osolid with core end processing  1x (0.14 0.5 mm²)	Communication/ Protocol	
IO-Link protocol  IO-Link transfer rate  COM2 (38,4 kBaud)  point-to-point cycle time between master and IO-Link device minimum  type of voltage supply via input/output link master  of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  puts/ Outputs  number of digital inputs  number of digital outputs  freely programmable  connections/ Terminals  type of electrical connection  spring-loaded terminal (push-in)  type of connectable conductor cross-sections  osolid with core end processing  1x (0.14 0.5 mm²)	protocol is supported	
IO-Link transfer rate  Doint-to-point cycle time between master and IO-Link device minimum  type of voltage supply via input/output link master  of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  puts/ Outputs  number of digital inputs  number of digital outputs  freely programmable  number of digital outputs  freely programmable  Connections/ Terminals  type of electrical connection  spring-loaded terminal (push-in)  type of connectable conductor cross-sections  osolid with core end processing  1x (0.14 0.5 mm²)	AS-Interface protocol	No
point-to-point cycle time between master and IO-Link device minimum  type of voltage supply via input/output link master  data volume  of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  nputs/ Outputs  number of digital inputs  number of digital outputs  freely programmable  number of digital outputs  type of electrical connection  type of connectable conductor cross-sections  osolid with core end processing  1x (0.14 0.5 mm²)	IO-Link protocol	Yes
type of voltage supply via input/output link master  type of voltage supply via input/output link master  of the address range of the inputs with cyclical transfer total  of the address range of the outputs with cyclical transfer total  nputs/ Outputs  number of digital inputs  onde  number of digital outputs  freely programmable  number of digital outputs  freely programmable  connections/ Terminals  type of electrical connection  spring-loaded terminal (push-in)  type of connectable conductor cross-sections osolid with core end processing  1x (0.14 0.5 mm²)	IO-Link transfer rate	COM2 (38,4 kBaud)
data volume  • of the address range of the inputs with cyclical transfer total  • of the address range of the outputs with cyclical transfer total  nputs/ Outputs  number of digital inputs  • note  freely programmable  number of digital outputs  freely programmable  Connections/ Terminals  type of electrical connection  spring-loaded terminal (push-in)  type of connectable conductor cross-sections  • solid with core end processing  1x (0.14 0.5 mm²)		10 ms
of the address range of the inputs with cyclical transfer total     of the address range of the outputs with cyclical transfer total  Inputs/ Outputs  Inputs/ Outputs  Inputs of digital inputs  Inputs of digital outputs  Inputs of d	type of voltage supply via input/output link master	Yes
total  • of the address range of the outputs with cyclical transfer total  nputs/ Outputs  number of digital inputs  • note  number of digital outputs  freely programmable  number of digital outputs  freely programmable  Connections/ Terminals  type of electrical connection  type of connectable conductor cross-sections  • solid with core end processing  1x (0.14 0.5 mm²)	data volume	
total  nputs/ Outputs  number of digital inputs  • note freely programmable  number of digital outputs freely programmable  Connections/ Terminals  type of electrical connection spring-loaded terminal (push-in)  type of connectable conductor cross-sections  • solid with core end processing 1x (0.14 0.5 mm²)	. ,	2 byte
number of digital inputs  • note freely programmable  number of digital outputs freely programmable  Connections/ Terminals  type of electrical connection spring-loaded terminal (push-in)  type of connectable conductor cross-sections  • solid with core end processing 1x (0.14 0.5 mm²)		2 byte
● note freely programmable  number of digital outputs freely programmable  Connections/ Terminals  type of electrical connection spring-loaded terminal (push-in)  type of connectable conductor cross-sections  ● solid with core end processing 1x (0.14 0.5 mm²)	Inputs/ Outputs	
number of digital outputs  Connections/ Terminals  type of electrical connection  spring-loaded terminal (push-in)  type of connectable conductor cross-sections  • solid with core end processing  1x (0.14 0.5 mm²)	number of digital inputs	
type of electrical connection  spring-loaded terminal (push-in)  type of connectable conductor cross-sections  • solid with core end processing  1x (0.14 0.5 mm²)	• note	freely programmable
type of electrical connection spring-loaded terminal (push-in)  type of connectable conductor cross-sections  • solid with core end processing 1x (0.14 0.5 mm²)	number of digital outputs	freely programmable
type of connectable conductor cross-sections  • solid with core end processing  1x (0.14 0.5 mm²)	Connections/ Terminals	
• solid with core end processing  1x (0.14 0.5 mm²)	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)	<ul> <li>solid with core end processing</li> </ul>	1x (0.14 0.5 mm²)
	<ul> <li>solid without core end processing</li> </ul>	1x (0.14 0.5 mm²)

<ul> <li>finely stranded without core end processing</li> </ul>	1x (0.2 0.5 mm²)		
• for AWG cables	1x (26 20)		
Product Function	(25 26)		
suitability for use safety-related circuits	No		
Ambient conditions			
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 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		
height	57.5 mm		
width	23.8 mm		
depth	53.5 mm		
Measuring circuit			
product function	freely programmable (default 6DI / 2DQ)		
Certificates/ approvals			
General Product Approval	Declaration of Conformity	Test Certificates	

Test Certificates other Environment

Type Test Certificates/Test Report

Confirmation

Confirmation

Environmental Confirmations

## Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$ 

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

 $Information-\ and\ Download center\ (Catalogs,\ Brochures,...)$ 

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-2HL10-6AA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2HL10-6AA0

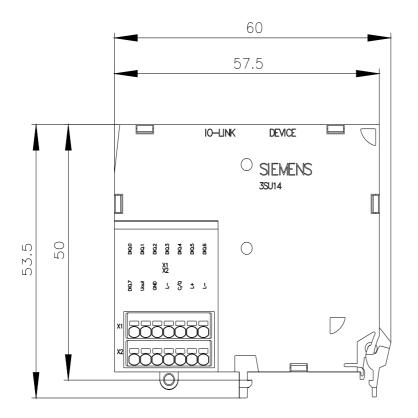
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$ 

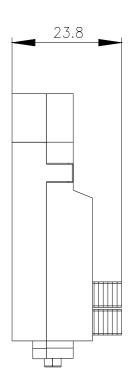
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2HL10-6AA0

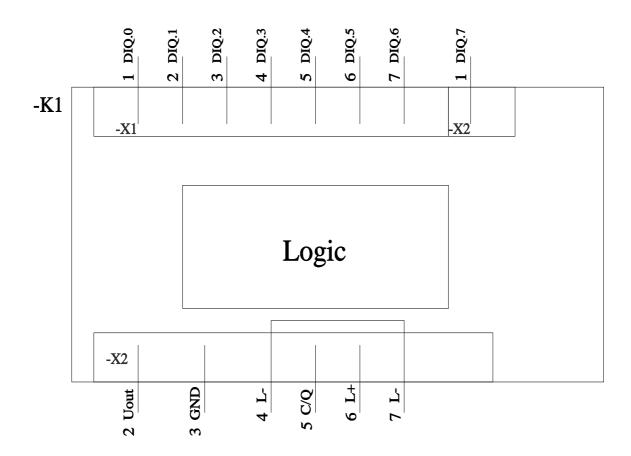
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1400-2HL10-6AA0&lang=en

Special Test Certificate







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