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Data sheet | **3SU1400-1HL10-6AA0**

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

product brand name	SIRIUS ACT
product designation	Electronic module for IO-Link
product type designation	3SU1
General technical data	
insulation voltage rated value	30 V
degree of pollution	3
type of voltage	
● 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
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
operating voltage rated value	18 ... 30 V
operating voltage 1 at DC rated value	24 V
Communication/ Protocol	
protocol is supported	
● AS-Interface protocol	No
● IO-Link protocol	Yes
IO-Link transfer rate	COM2 (38,4 kBaud)
point-to-point cycle time between master and IO-Link device minimum	10 ms
type of voltage supply via input/output link master	Yes
data volume	
● 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
Inputs/ 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)

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type of connectable conductor cross-sections	
● solid with core end processing	1x (0.14 ... 0.5 mm²)
● 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

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)

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

Installation/ mounting/ dimensions

fastening method of modules and accessories	Front plate mounting
height	57.5 mm
width	23.8 mm
depth	53.5 mm

Measuring circuit

product function	freely programmable (default 6DI / 2DQ)

Approvals Certificates

General Product Approval				Declaration of Conformity			Test Certificates
Confirmation	UL	EAC		UKCA	CE EG-Konf.		Special Test Certificate

Test Certificates	other	Environment
Type Test Certificates/Test Report	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)
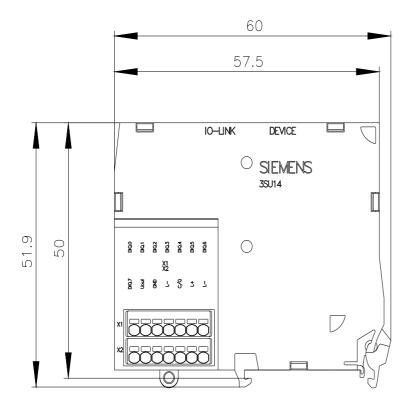https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1HL10-6AA0
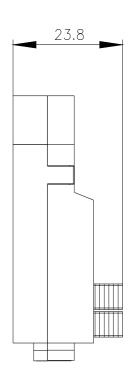**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1HL10-6AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
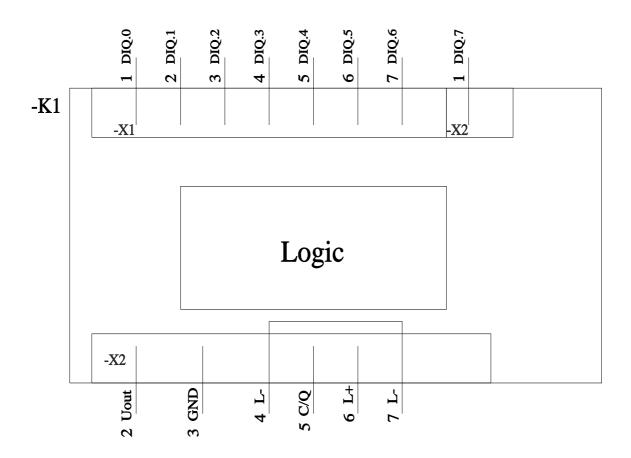https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1HL10-6AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1HL10-6AA0&lang=en

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57.5

23.8

IO–LINK   DEVICE

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3SU14

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DIQ.0 DIQ.1 DIQ.2 DIQ.3 DIQ.4 DIQ.5 DIQ.6

X1
X2

DIQ.7 Uout GND L– C/Q L+ L–

X1

X2

-K1

1 DIQ.0 2 DIQ.1 3 DIQ.2 4 DIQ.3 5 DIQ.4 6 DIQ.5 7 DIQ.6 1 DIQ.7

-X1   -X2

Logic

-X2

2 Uout   3 GND   4 L–   5 C/Q   6 L+   7 L–

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