



Electronics module for IO-Link, black, 8 inputs/outputs, 6 DI/2 DQ, Push-in, for floor 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	6
number of digital outputs	2
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)
- 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 Floor mounting

height 57.5 mm




width 23.8 mm

depth 53.5 mm

Measuring circuit

product function 6DI / 2DQ

Approvals Certificates

General Product Approval	Declaration of Conformity	Test Certificates
Confirmation 	 <small>EG-Konf.</small>	
		Special Test Certificate Type Test Certificates/Test Report
other	Environment	
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>

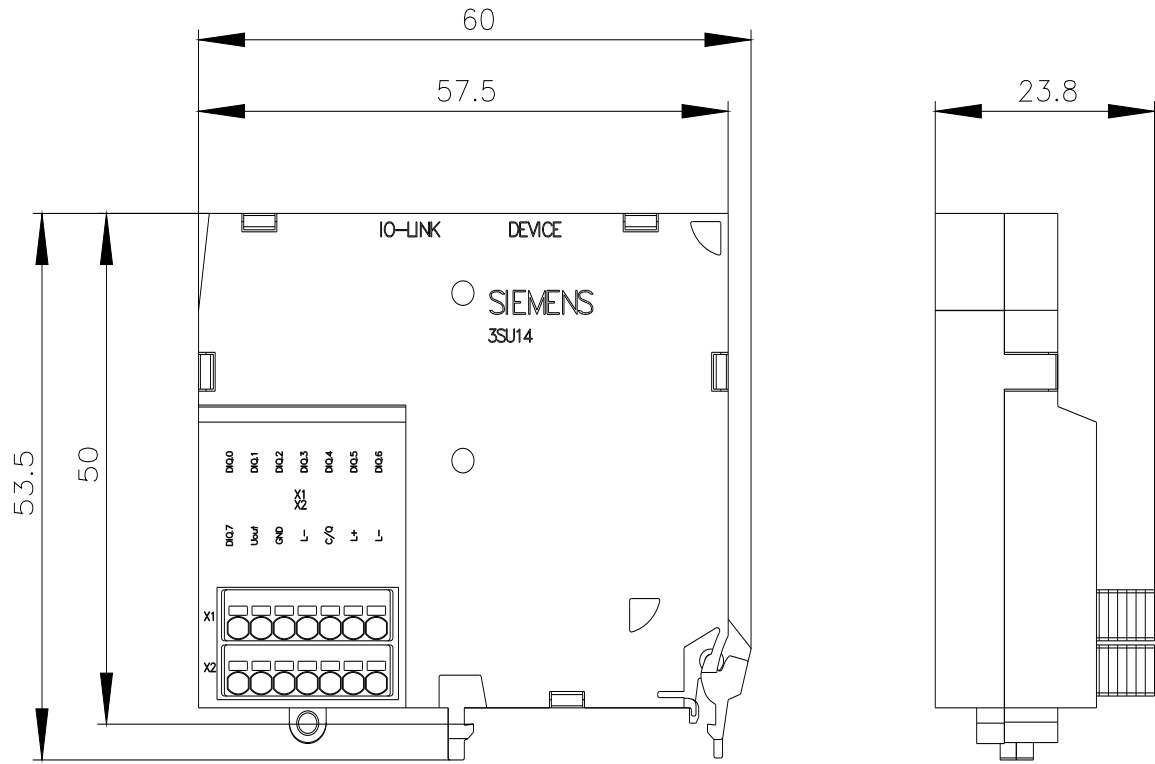
Information- and Downloadcenter (Catalogs, Brochures,...)
<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-2HK10-6AA0>

Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2HK10-6AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2HK10-6AA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2HK10-6AA0&lang=en



last modified:

11/8/2023 