

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	
<b>Insulation voltage</b>	
• rated value	30 V
<b>Degree of pollution</b>	3
<b>Type of voltage</b>	
• of the operating voltage	DC
• of the input voltage	DC
<b>Surge voltage resistance rated value</b>	0.8 kV
<b>Consumed current</b>	
• maximum	41 mA
<b>Protection class IP</b>	IP20
<b>Shock resistance</b>	
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>Vibration resistance</b>	
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>Reference code acc. to DIN EN 81346-2</b>	P

Reference code acc. to DIN EN 61346-2	P
Operating voltage	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	18 ... 30 V
Operating voltage 1	
<ul style="list-style-type: none"> <li>• at DC rated value</li> </ul>	24 V

### Communication/ Protocol

Protocol is supported	
<ul style="list-style-type: none"> <li>• AS-Interface protocol</li> </ul>	No
<ul style="list-style-type: none"> <li>• IO-Link protocol</li> </ul>	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
Amount of data	
<ul style="list-style-type: none"> <li>• of the address area of the inputs with cyclical transfer total</li> </ul>	3 byte
<ul style="list-style-type: none"> <li>• of the address area of the outputs with cyclical transfer total</li> </ul>	1 byte

### Inputs/ Outputs

Number of digital inputs	
<ul style="list-style-type: none"> <li>• Note</li> </ul>	freely programmable
Number of digital outputs	freely programmable

### Connections/ Terminals

Type of electrical connection	Push-in terminal
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> <li>• solid with core end processing</li> </ul>	1x (0.14 ... 0.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• solid without core end processing</li> </ul>	1x (0.14 ... 0.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul>	1x (0.2 ... 0.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• at AWG conductors</li> </ul>	1x (26 ... 20)

### Product Function

Suitability for use	
<ul style="list-style-type: none"> <li>• safety-related circuits</li> </ul>	Yes

### Safety related data

Performance level (PL) acc. to EN ISO 13849-1	e
Category acc. to EN 954-1	4

### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +70 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +80 °C
Environmental category during operation acc. 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

<b>Mounting type</b>	Front plate mounting
• of modules and accessories	
<b>Height</b>	57.5 mm
<b>Width</b>	23.8 mm
<b>Depth</b>	53.5 mm

## Measuring circuit

<b>Product function</b>	freely programmable (default 6DI / 2DO)
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## Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
 UL	 EAC	 EG-Konf.
	<a href="#">Miscellaneous</a>	<a href="#">Type Test Certificates/Test Report</a> <a href="#">Special Test Certificate</a>

### other

[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=3SU1400-1HL10-6AA0>

### Cax online generator

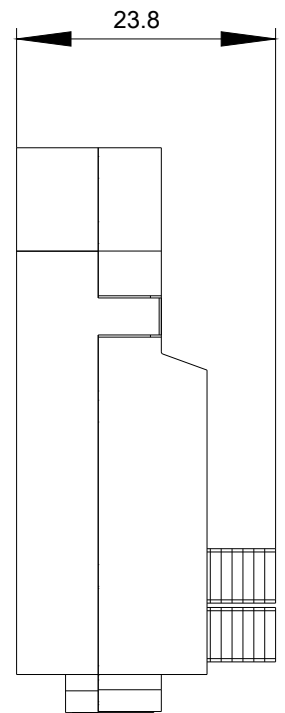
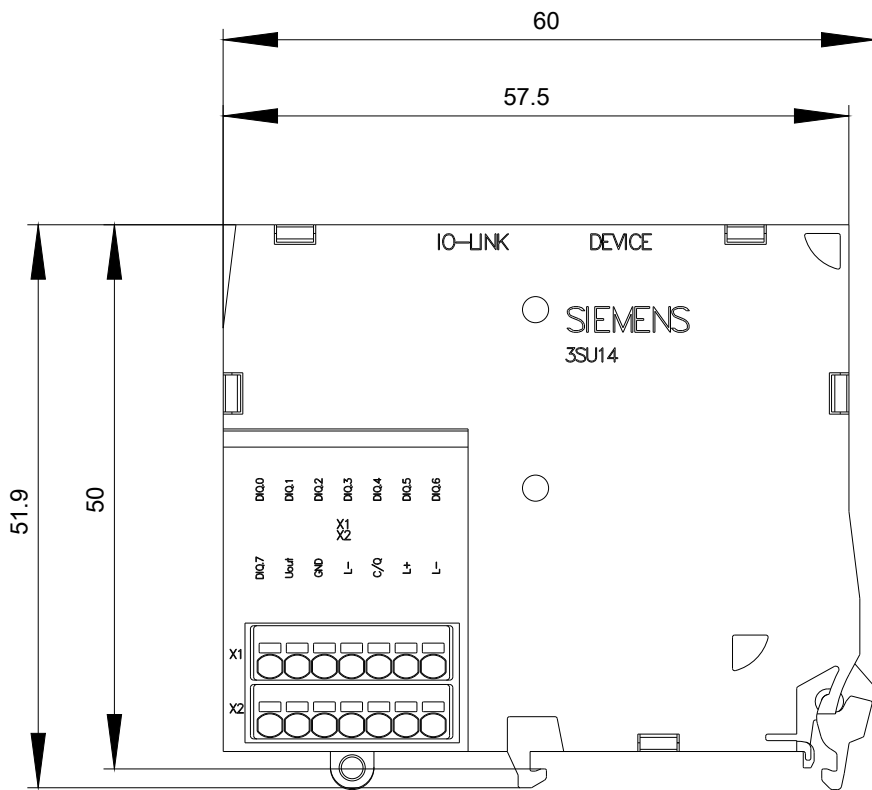
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1HL10-6AA0>

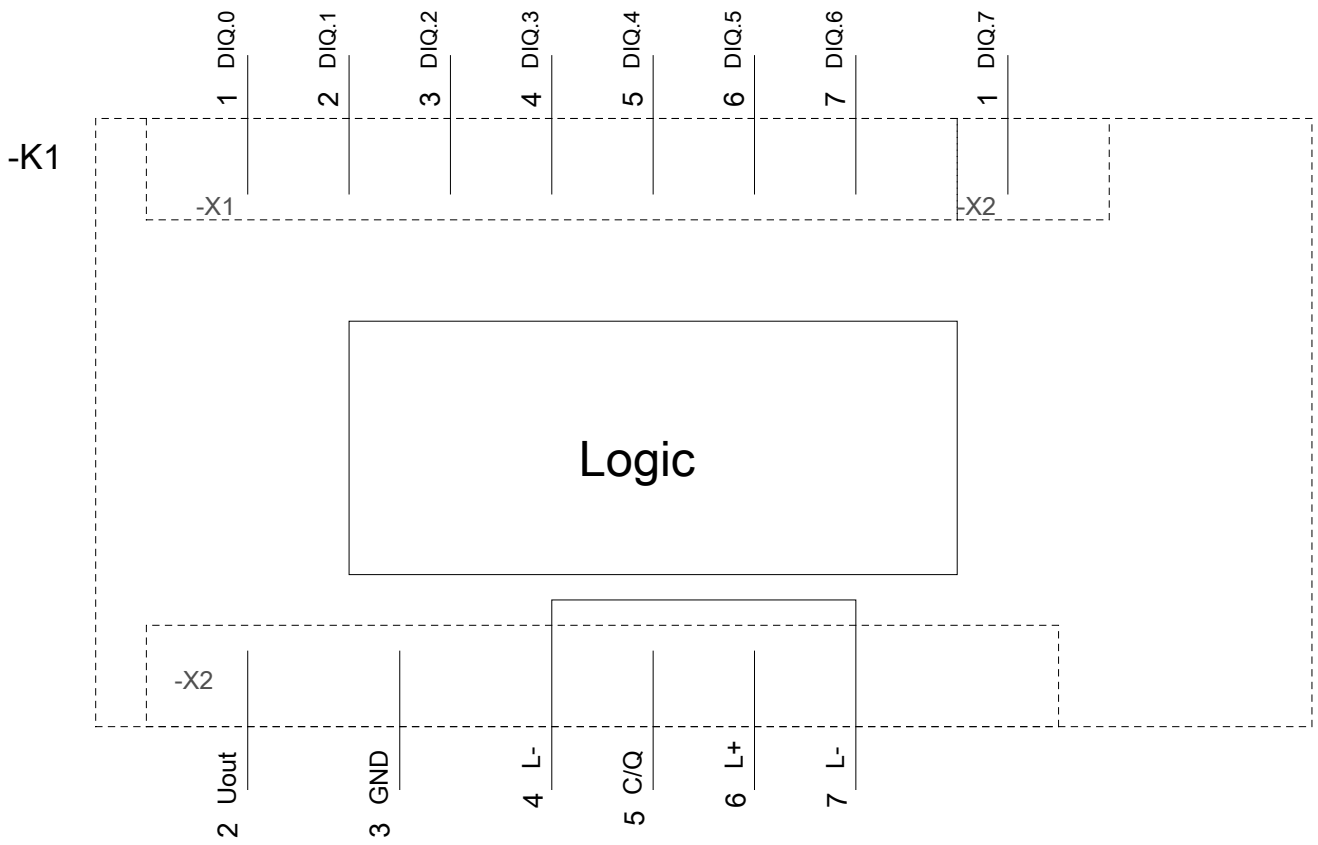
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1HL10-6AA0&lang=en)





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