



Electronics module IO-Link for ID key-operated switch, freely-programmable electronic switches, controller and RFID authentication of the switching function, black, operating voltage 24 V DC, screw terminal, for front plate mounting, for industrial application in control cabinets and machines



product brand name	SIRIUS ACT
product designation	Electronic module for ID key-operated switches
product type designation	3SU1
<b>Actuator</b>	
product extension optional light source	No
<b>Contact block/ lampholder</b>	
socket design	other
<b>Display</b>	
number of LEDs	4
<b>General technical data</b>	
insulation voltage rated value	30 V
degree of pollution	3
type of voltage	<ul style="list-style-type: none"> <li>• of the operating voltage</li> <li>• of the input voltage</li> </ul>
surge voltage resistance rated value	0.8 kV
consumed current maximum	49 mA
protection class IP	IP20, clamping screw tightened
reference code according to IEC 81346-2	P
Substance Prohibitance (Date)	10/01/2014
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
Weight	61 g
operating voltage	<ul style="list-style-type: none"> <li>• rated value</li> <li>• at DC rated value</li> </ul>
operating voltage 1 at DC rated value	24 V
<b>Communication/ Protocol</b>	
protocol is supported 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	<ul style="list-style-type: none"> <li>• of the address range of the inputs with cyclical transfer total</li> </ul>
	2 byte

• of the address range of the outputs with cyclical transfer total	0 byte	
<b>Auxiliary circuit</b>		
number of NC contacts for auxiliary contacts	0	
number of NO contacts for auxiliary contacts	5	
<b>Inputs/ Outputs</b>		
number of digital inputs	0	
• safety-related	0	
number of digital outputs	5	
output voltage at digital output at DC rated value	23.5 V	
output current per output	250 mA	
<b>Connections/ Terminals</b>		
type of electrical connection	screw terminal	
type of connectable conductor cross-sections		
• solid without core end processing	1x (0.2 ... 2.5 mm <sup>2</sup> )	
• finely stranded with core end processing	1x (0.25 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )	
• finely stranded without core end processing	1x (0.2 ... 2.5 mm <sup>2</sup> ), 2x (0.2 ... 0.75 mm <sup>2</sup> )	
• for AWG cables	1x (26 ... 14)	
tightening torque with screw-type terminals	0.4 ... 0.4 N·m	
<b>Product Function</b>		
product function parameterizable	Yes	
<b>Safety related data</b>		
<b>MTBF</b>		
• at 70 °C	138 a	
• at full load at 25 °C	141 a	
<b>Electrical Safety</b>		
touch protection against electrical shock	finger-safe	
<b>Ambient conditions</b>		
ambient temperature		
• during operation	-25 ... +70 °C	
• during storage	-40 ... +80 °C	
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)	
<b>Environmental footprint</b>		
Environmental Product Declaration(EPD)	Yes	
global warming potential [CO <sub>2</sub> eq] total	0.787 kg	
global warming potential [CO <sub>2</sub> eq] during manufacturing	0.566 kg	
global warming potential [CO <sub>2</sub> eq] during operation	0.235 kg	
global warming potential [CO <sub>2</sub> eq] after end of life	-0.015 kg	
Siemens Eco Profile (SEP)	Siemens EcoTech	
<b>Installation/ mounting/ dimensions</b>		
fastening method	front plate mounting	
• of modules and accessories	Front plate mounting	
height	36 mm	
width	50 mm	
depth	36.4 mm	
required spacing with side-by-side mounting		
• forwards	100 mm	
• backwards	100 mm	
• upwards	100 mm	
• downwards	100 mm	
• at the side	100 mm	
<b>Measuring circuit</b>		
product function	IO-Link 24 V DC	
<b>Approvals Certificates</b>		
General Product Approval	Test Certificates	other



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

[Confirmation](#)



[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1400-1GE10-1AA0>

Cax online generator

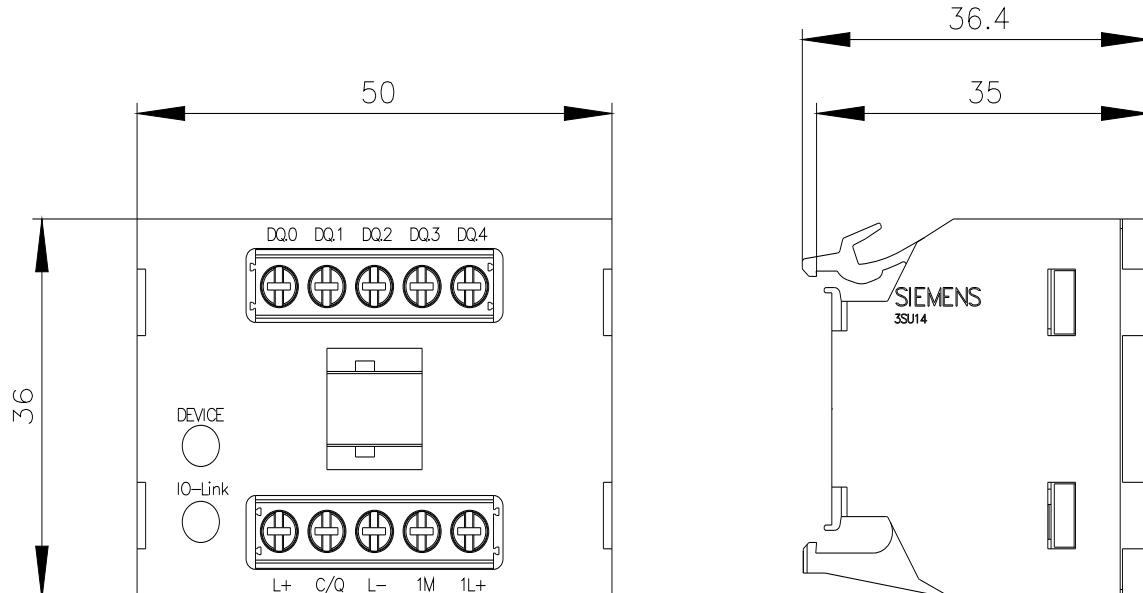
<http://support.automation.siemens.com/WW/CAxOrder/default.aspx?lang=en&mlfb=3SU1400-1GE10-1AA0>

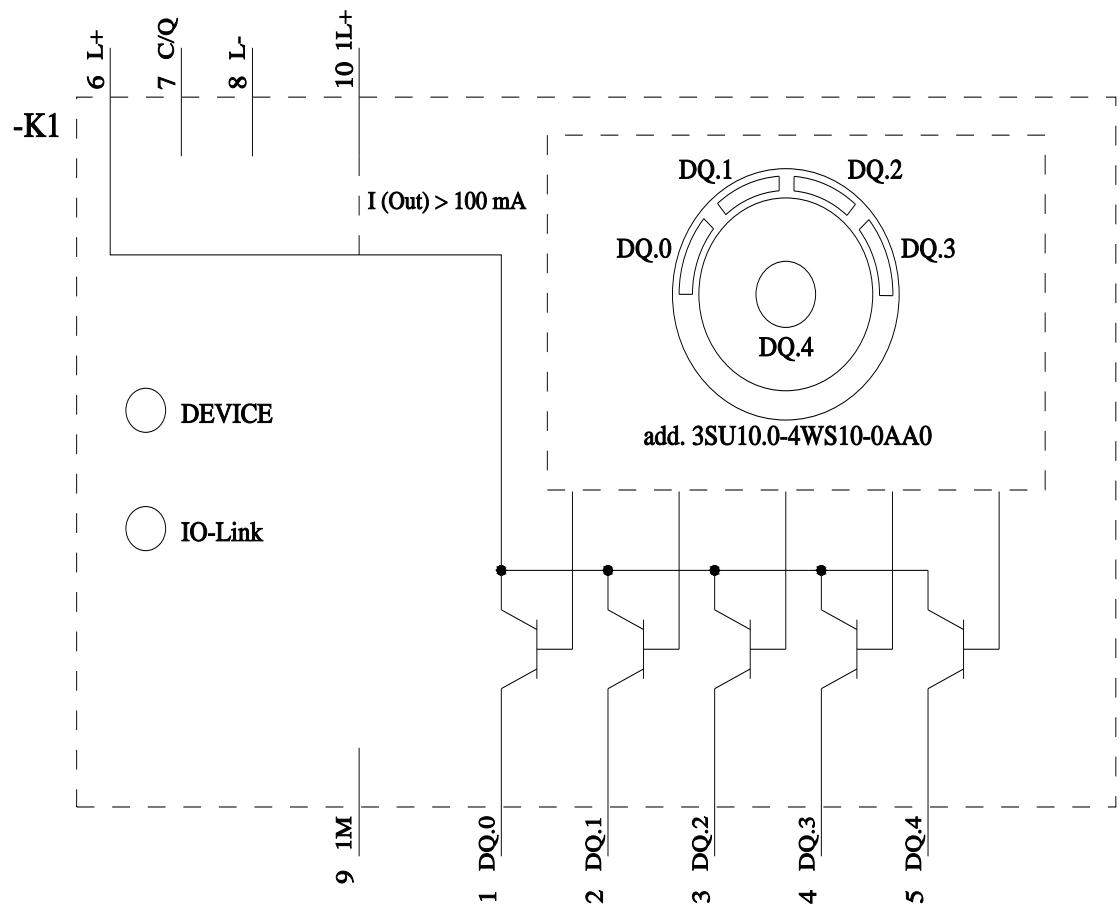
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1GE10-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-1GE10-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1GE10-1AA0&lang=en)





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