

Electronics module IO-Link for ID key-operated switch, with 5 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
Product type designation	3SU1
Actuator	
Product extension optional Light source	No
Display	
Number of LEDs	4
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	49 mA
Protection class IP	IP20

Reference code acc. to DIN EN 81346-2	P
Reference code acc. to DIN EN 61346-2	P
Operating voltage <ul style="list-style-type: none"> • rated value • at DC <ul style="list-style-type: none"> — rated value 	18 ... 30 V 24 V
Operating voltage 1 <ul style="list-style-type: none"> • at DC rated value 	24 V

Communication/ Protocol

Protocol is supported <ul style="list-style-type: none"> • 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
Amount of data <ul style="list-style-type: none"> • of the address area of the inputs with cyclical transfer total • of the address area of the outputs with cyclical transfer total 	2 byte 0 byte

Auxiliary circuit

Number of NC contacts for auxiliary contacts	0
Number of NO contacts for auxiliary contacts	5
Number of CO contacts <ul style="list-style-type: none"> • for auxiliary contacts 	0

Inputs/ Outputs

Number of digital inputs <ul style="list-style-type: none"> • safety-related 	0 0
Number of digital outputs	5
Output voltage at digital output at DC rated value	23.5 V
Output current per output	250 mA

Connections/Terminals

Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections <ul style="list-style-type: none"> • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG conductors 	1x (0.2 ... 2.5 mm²), 2x (0.2 ... 0.75 mm²) 1x (0.2 ... 2.5 mm²), 2x (0.2 ... 0.75 mm²) 1x (0.2 ... 2.5 mm²), 2x (0.25 ... 0.75 mm²) 1x (0.2 ... 2.5 mm²), 2x (0.2 ... 0.75 mm²) 1x (24 ... 14), 2x (24 ... 19)
Tightening torque <ul style="list-style-type: none"> • with screw-type terminals 	0.35 ... 0.4 N·m

Product Function

Product function parameterizable	Yes
----------------------------------	-----

Safety related data

MTBF	
• at 70 °C	138 y
• at full load at 25 °C	141 y
Protection against electrical shock	finger-safe

Ambient conditions

Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted)

Installation/ mounting/ dimensions

• (mounting type)	front panel mounting
• Mounting type 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

Measuring circuit

(product function)	IO-Link 24 V DC
--------------------	-----------------

Certificates/approvals

General Product Approval	Declaration of Conformity	Test Certificates	other
--------------------------	---------------------------	-------------------	-------



[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1GD10-1AA0>

Cax online generator

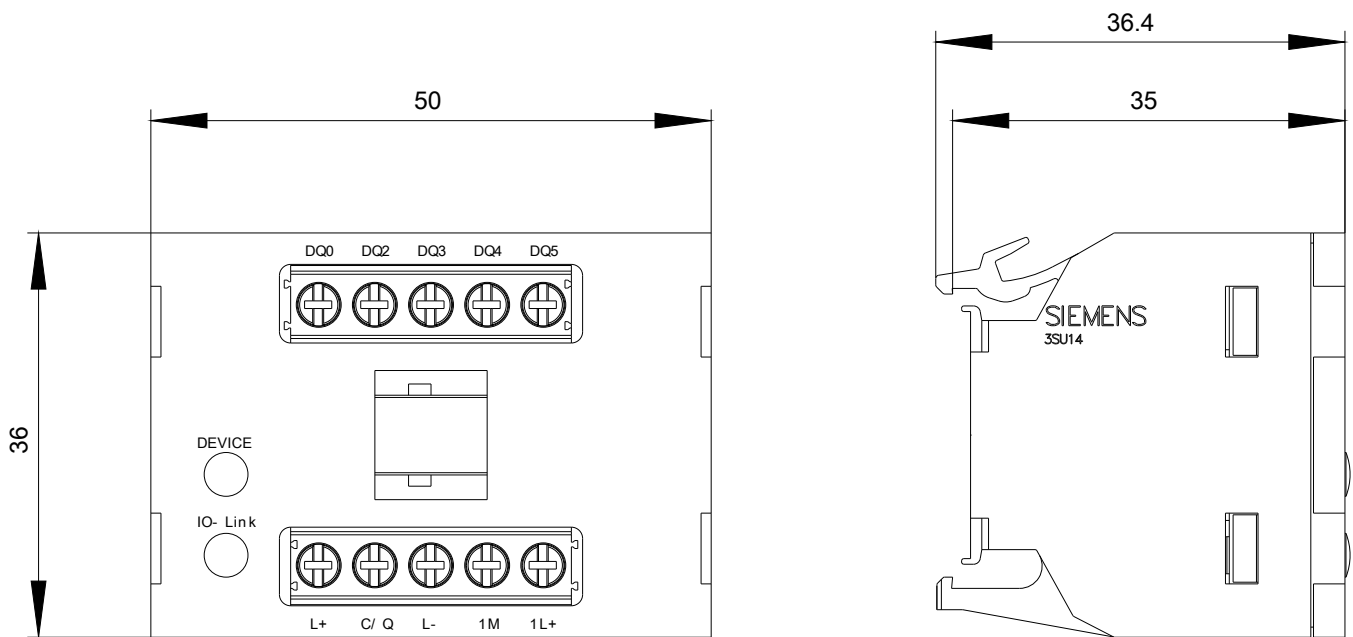
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1GD10-1AA0>

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

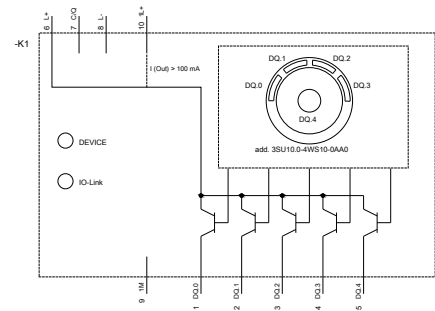
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1GD10-1AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1GD10-1AA0&lang=en



• • • •



last modified:

04/08/2019