SIEMENS

Data sheet 3SU1400-1GD10-1AA0

Electronics module IO-Link for ID key-operated switch, with 5 pre-programmed 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
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	
• rated value	18 ... 30 V
• at DC	
— rated value	24 V
Operating voltage 1	
• at DC rated value	24 V

Communication/ Protocol

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
Amount of data	
• of the address area of the inputs with cyclical transfer total	2 byte
• of the address area of the outputs with cyclical transfer total	0 byte

Auxiliary circuit

Number of NC contacts for auxiliary contacts	0
Number of NO contacts for auxiliary contacts	5

Inputs/ Outputs

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

Connections/ Terminals

Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
• solid with core end processing	1x (0.2 ... 2.5 mm²), 2x (0.2 ... 0.75 mm²)
• solid without core end processing	1x (0.2 ... 2.5 mm²), 2x (0.2 ... 0.75 mm²)
• finely stranded with core end processing	1x (0.2 ... 2.5 mm²), 2x (0.25 ... 0.75 mm²)
• finely stranded without core end processing	1x (0.2 ... 2.5 mm²), 2x (0.2 ... 0.75 mm²)
• at AWG conductors	1x (24 ... 14), 2x (24 ... 19)
Tightening torque	
• 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
• 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	
UL	EAC	CE EG-Konf.	Miscellaneous	Type Test Certificates/Test Report	Special Test Certificate

other

Confirmation

Further information

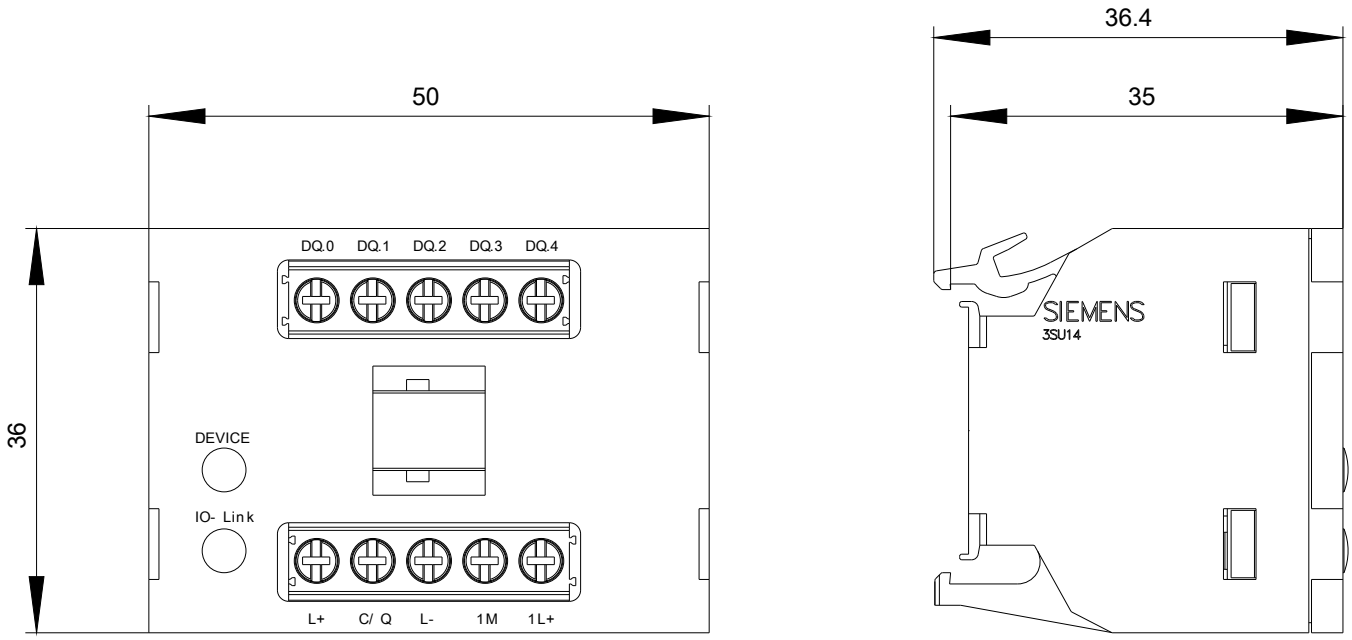
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10

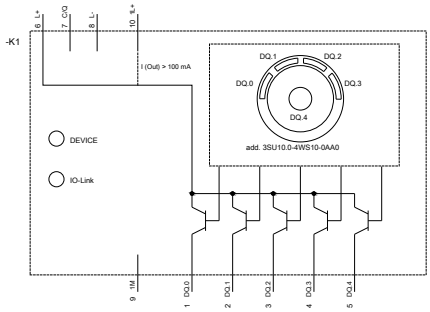
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1GD10-1AA0

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: 03/03/2020