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Data sheet 3SU1400-1GD10-1AA0

IO-Link electronic module for ID key-operated switch, with 5 programmable electronic switches, controller and RFID authentication of switching function, black, operating voltage 24 V DC, Screw terminals, for front plate mounting, for industrial use in control panels and machinery

Figure similar

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	

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• maximum	49 mA
Protection class IP	IP20
Equipment marking	
• acc. to DIN EN 61346-2	P
• acc. to DIN EN 81346-2	P

Main circuit

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
Number of CO contacts	
• for auxiliary contacts	0

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

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)

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• 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

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General Product Approval		EMC	Declaration of Conformity	Test Certificates	
UL		EC-Declaration of Conformity EMC	EG-Konf.	Declaration of the Compliance with the order	Special Test Certificate

other
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

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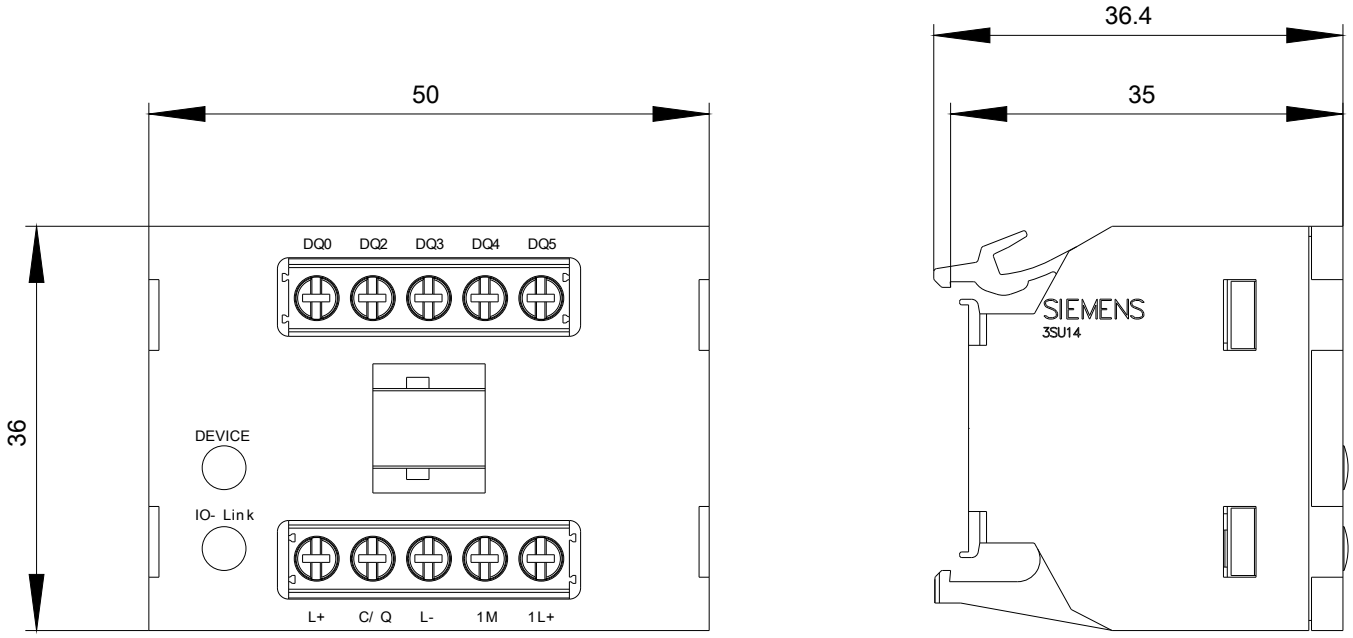

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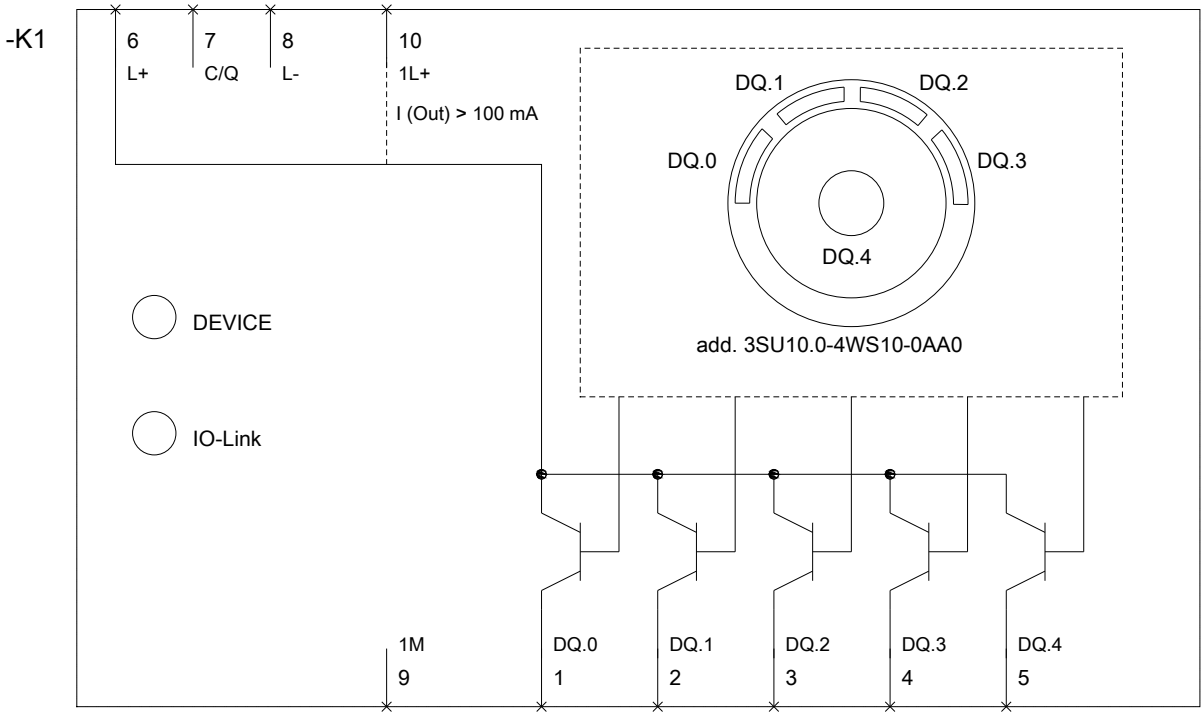

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