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
Contact block/ lampholder	
socket design	other
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, clamping screw tightened
reference code according to IEC 81346-2	P
Substance Prohibitance (Date)	10/01/2014
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
data volume	
● of the address range of the inputs with cyclical transfer total	2 byte
● of the address range 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

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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 without core end processing	1x (0.2 ... 2.5 mm²)
● finely stranded with core end processing	1x (0.25 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
● finely stranded without core end processing	1x (0.2 ... 2.5 mm²), 2x (0.2 ... 0.75 mm²)
● for AWG cables	1x (26 ... 14)
tightening torque with screw-type terminals	0.4 ... 0.4 N·m
Product Function	
product function parameterizable	Yes
Safety related data	
MTBF	
● at 70 °C	138 a
● at full load at 25 °C	141 a
touch protection against electrical shock	finger-safe
Ambient conditions	
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)
Installation/ mounting/ dimensions	
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
Measuring circuit	
product function	IO-Link 24 V DC

Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
Confirmation		Special Test Certificate

Test Certificates	other	Environment
Type Test Certificates/Test Report	Confirmation	Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,…)

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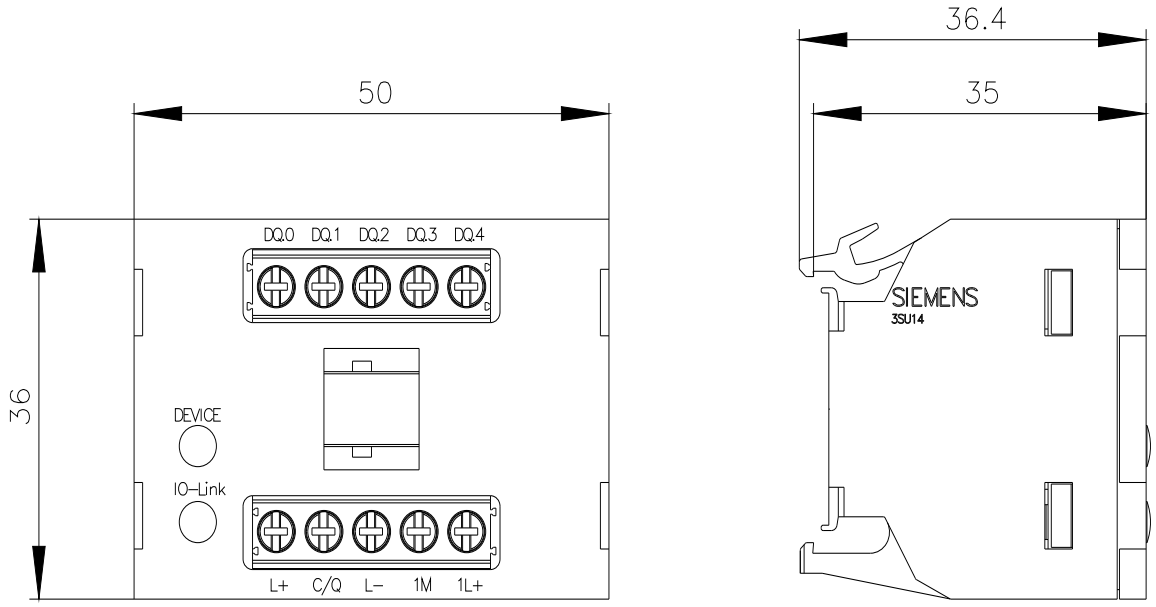
https://www.siemens.com/ic10

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



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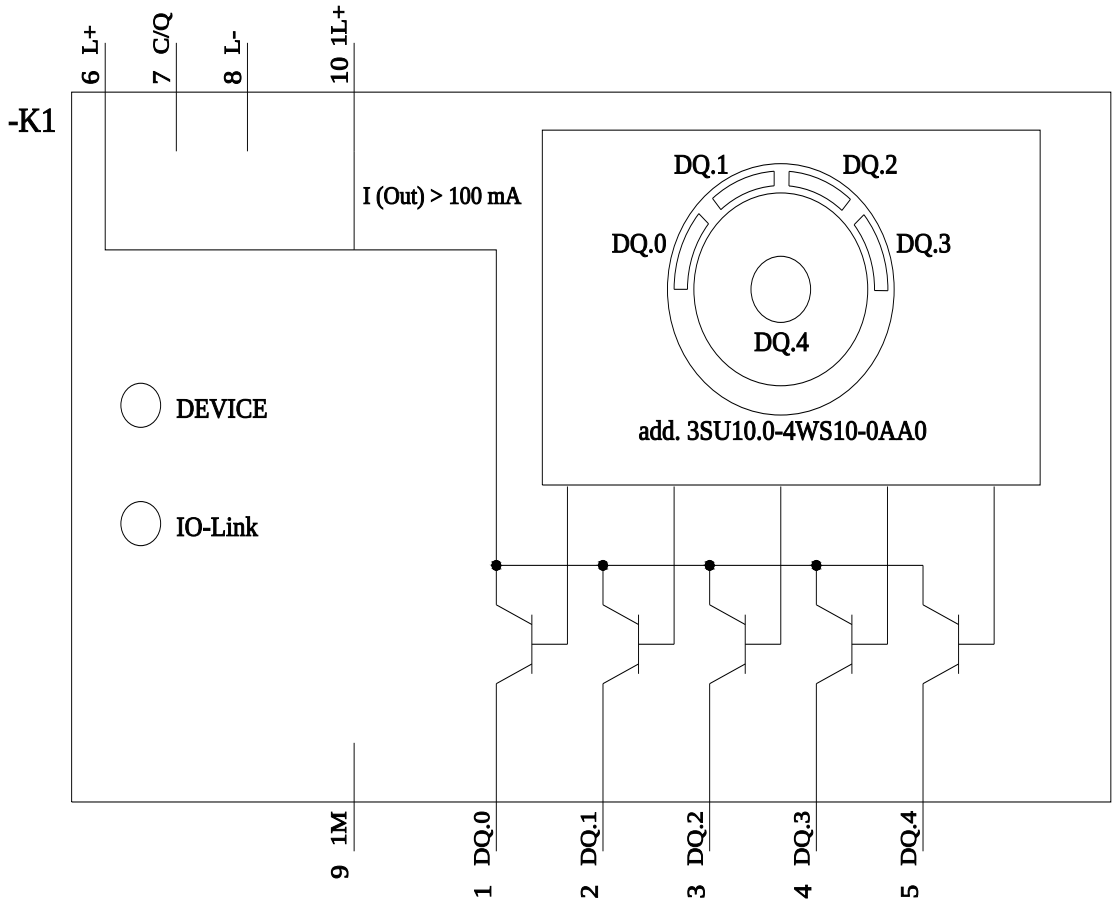

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