



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
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 mm ²)
• finely stranded with core end processing	1x (0.25 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• finely stranded without core end processing	1x (0.2 ... 2.5 mm ²), 2x (0.2 ... 0.75 mm ²)
• at 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 y
• at full load at 25 °C	141 y
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
--------------------------	--------------

[Type Test Certificates/Test Report](#)

[Environmental Conformations](#)

[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:

1/27/2022 