#### 3SU1400-1AA10-1DA0 **Data sheet**



Contact module with 2 contact elements, 2 NO, screw terminal, for front plate





product brand name	SIRIUS ACT
product designation	Contact module
product type designation	3SU1
Contact block/ lampholder	
socket design	other
General technical data	
product function positive opening	No
insulation voltage rated value	500 V
degree of pollution	3
type of voltage	
<ul> <li>of the operating voltage</li> </ul>	AC/DC
<ul> <li>of the input voltage</li> </ul>	AC/DC
surge voltage resistance rated value	6 kV
protection class IP	
• of the enclosure	IP40
of the terminal	IP20, clamping screw tightened
shock resistance	
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	
<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
operating frequency maximum	3 600 1/h
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
at DC rated value	5 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)

Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	0
lagging switching	0
number of NO contacts for auxiliary contacts	2
• leading contact	0
operational current at AC-12	•
at 24 V rated value	10 A
at 48 V rated value	10 A
at 110 V rated value	10 A
at 230 V rated value	8 A
at 400 V rated value	8 A
operational current at AC-15	
at 24 V rated value	6 A
at 48 V rated value	6 A
at 110 V rated value	6 A
at 230 V rated value	6 A
at 400 V rated value	3 A
at 500 V rated value	1.4 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	5 A
at 110 V rated value	2.5 A
at 230 V rated value	1A
at 400 V rated value	0.3 A
at 500 V rated value	0.3 A
operational current at DC-13	
at 24 V rated value	3 A
at 48 V rated value	1.5 A
at 110 V rated value	0.7 A
at 230 V rated value	0.3 A
at 400 V rated value	0.1 A
at 500 V rated value	0.1 A
Connections/ Terminals	
type of electrical connection	screw terminal
type of connectable conductor cross-sections	
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	
	2x (1,0 1,5 mm²)
• for AWG cables	2x (18 14)
for AWG cables tightening torque with screw-type terminals	
	2x (18 14)
tightening torque with screw-type terminals	2x (18 14)
tightening torque with screw-type terminals  Ambient conditions	2x (18 14) 0.8 0.9 N·m -25 +70 °C
tightening torque with screw-type terminals  Ambient conditions  ambient temperature	2x (18 14) 0.8 0.9 N·m -25 +70 °C -40 +80 °C
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC	2x (18 14) 0.8 0.9 N·m  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10
tightening torque with screw-type terminals  Ambient conditions  ambient temperature	2x (18 14) 0.8 0.9 N·m -25 +70 °C -40 +80 °C
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental footprint	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD)	2x (18 14) 0.8 0.9 N·m  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg
tightening torque with screw-type terminals  Ambient conditions  ambient temperature	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] after end of life	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] after end of life  Siemens Eco Profile (SEP)	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Environmental Footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] after end of life Siemens Eco Profile (SEP)  Installation/ mounting/ dimensions	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  Siemens EcoTech
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Siemens Eco Profile (SEP)  Installation/ mounting/ dimensions fastening method	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  Siemens EcoTech
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Environmental Footprint  Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Siemens Eco Profile (SEP)  Installation/ mounting/ dimensions  fastening method • of modules and accessories	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  Siemens EcoTech  front plate mounting  Front plate mounting
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Installation/ mounting/ dimensions fastening method • of modules and accessories height	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  Siemens EcoTech  front plate mounting  Front plate mounting  Front plate mounting
tightening torque with screw-type terminals  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Environmental Footprint  Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Siemens Eco Profile (SEP)  Installation/ mounting/ dimensions  fastening method • of modules and accessories	2x (18 14)  0.8 0.9 N·m  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  Siemens EcoTech  front plate mounting  Front plate mounting

#### suitability for integration

- plastic enclosure
- metal enclosure

No No

# Approvals Certificates

## **General Product Approval**









Confirmation



# **General Product Approval**

<u>KC</u>



Special Test Certificate

**Test Certificates** 

Type Test Certificates/Test Report



Marine / Shipping

## Marine / Shipping

Lloyd's Register





Confirmation

other



**Environment** 

Siemens EcoTech



## Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1400-1AA10-1DA0

Cax online generator

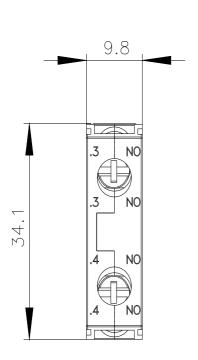
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1DA0

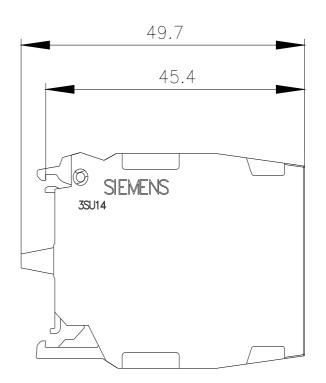
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

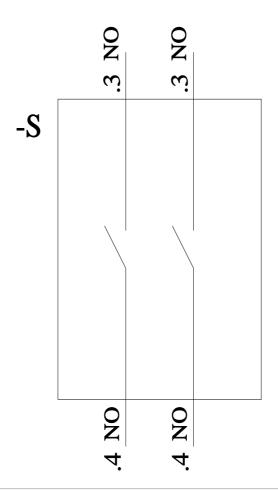
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1DA0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1400-1AA10-1DA0&lang=en







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