# Data sheet 3SU1400-1AA10-3CA0



Contact module with 1 contact element, 1 NC, spring-type terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof





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	Yes
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
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	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	
•	1
lagging switching	0
number of NO contacts for auxiliary contacts	
•	0
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 400 V rated value     at 500 V rated value	1.4 A
operational current at DC-12	677
at 24 V rated value	10 A
at 48 V rated value     at 48 V rated value	5 A
at 48 v rated value     at 110 V rated value	2.5 A
at 230 V rated value	1.A
at 400 V rated value	0.3 A
at 500 V rated value     at 500 V rated value	0.3 A
operational current at DC-13	0.5 A
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	0.7 A 0.3 A
at 400 V rated value	0.1 A
at 500 V rated value     at 500 V rated value	
Connections/ Terminals	0.1 A
	anring leaded terminals
type of electrical connection	spring-loaded terminals
type of connectable conductor cross-sections	0, (0.05 4.5 mm²)
solid without core end processing	2x (0.25 1.5 mm²)
finely stranded with core end processing	2x (0.25 0.75 mm²)
finely stranded without core end processing     for AWC cables.	2x (0.25 1.5 mm²)
• for AWG cables	2x (24 16)
Ambient conditions	
ambient temperature	05 170 °C
during operation	-25 +70 °C
during storage  Applicance to large and during apprehimm according to IEC.	-40 +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)
Environmental footprint	,
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Fotential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during managed mig	0.235 kg
Global Warming Potential [CO2 eq] after end of life	-0.015 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Installation/ mounting/ dimensions	
meanitation meaning, uniteriories	
fastening method	front plate mounting
fastering method     fastering method of modules and accessories	Front plate mounting
height	36 mm
width	9.8 mm
WIGHT	O.O HIIII

depth 27.7 mm

suitability for integration

plastic enclosure Yes
metal enclosure Yes

Approvals Certificates

## **General Product Approval**









Confirmation



## **General Product Approval**



<u>KC</u>



Type Test Certificates/Test Report

**Test Certificates** 

Special Test Certificate



Marine / Shipping

Marine / Shipping







Confirmation

other



Environment





#### **Environment**

Environmental Confirmations

#### **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=3SU1400-1AA10-3CA0

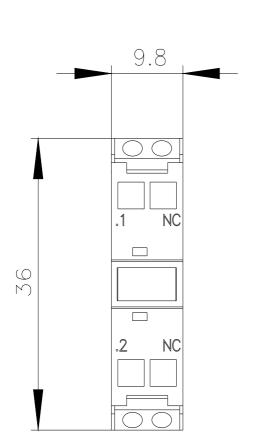
Cax online generator

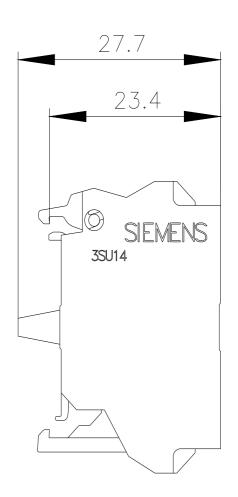
 ${\bf Service \& Support\ (Manuals,\ Certificates,\ Characteristics,\ FAQs,...)}$ 

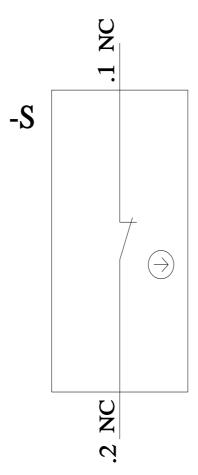
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3CA0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1400-1AA10-3CA0&lang=en







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