product brand name

Data sheet

3SU1400-1AA10-1CA0



Contact module with 1 contact element, 1 NC, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple of this



production and an arrangement of the control of the	
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	
 of the operating voltage 	AC/DC
of the input voltage	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
 for railway applications according to EN 61373 	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 500 Hz: 5g
 for railway applications according to EN 61373 	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
Weight	8 g
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

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	(5 \/ 1 mA)
Auxiliary circuit	(5 V, 1 mA)
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 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	1 A
 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 Connections/ Terminals	0.1 A
	a a va u tamain al
type of electrical connection type of connectable conductor cross-sections	screw terminal
solid with core end processing	2x (0.5 0.75 mm²)
solid with core end processing solid without core end processing	2x (1.0 1.5 mm²)
finely stranded with core end processing	2x (0.5 1.5 mm²)
finely stranded with core end processing finely stranded without core end processing	2x (1,0 1,5 mm²)
• for AWG cables	2x (18 14)
tightening torque with screw-type terminals	0.8 0.9 N·m
Ambient conditions	
ambient temperature	
during operation	-25 +70 °C
during storage	-40 +80 °C
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10
60721 Environmental footprint	95%, no condensation in operation permitted)
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
Global Warming Potential [CO2 eq] after end of life	-0.015 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Installation/ mounting/ dimensions	
fastening method	front plate mounting
of modules and accessories	Front plate mounting
height	33.2 mm
width	9.8 mm

27.7 mm depth suitability for integration • plastic enclosure Yes • metal enclosure Yes **Approvals Certificates**

General Product Approval







Confirmation



<u>ate</u>



General Product Approval



<u>KC</u>



Test Certificates

ates/Test Report

Type Test Certific-Special Test Certific-



Marine / Shipping

other

Environment

Confirmation







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)

m/mall/en/en/Catalog/product?mlfb=3SU1400-1AA10-1CA0

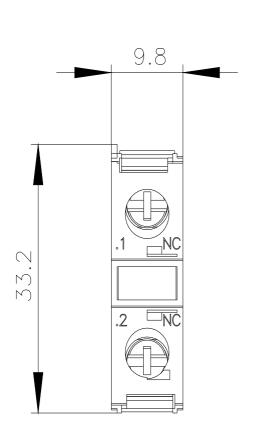
Cax online generator

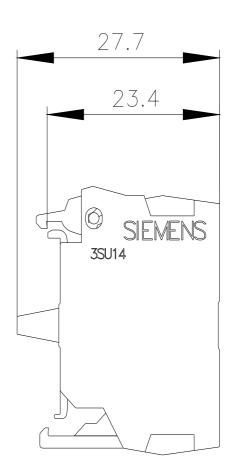
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

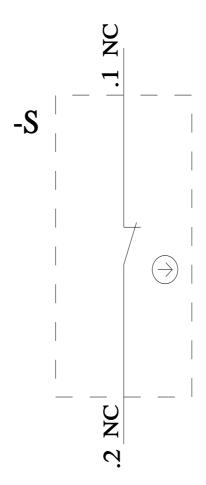
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1CA0

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

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last modified: 4/8/2024 🖸

