3SU1400-1AA10-1CA0

Data sheet



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



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	
 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

	(5 V, 1 mA)
Auxiliary circuit	(0 4, 1 11111)
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	0.1 A
Connections/ Terminals	a cray tampinal
type of electrical connection	screw terminal
type of connectable conductor cross-sections	2v /0 5
solid with core end processingsolid without core end processing	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
finely stranded with core end processing	2x (1.0 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 (1,0 1,5 mm ⁻) 2x (18 14)
tightening torque with screw-type terminals	0.8 0.9 N·m
Ambient conditions	3.5 th 0.6 (4 iii
ambient temperature	
during operation	-25 +70 °C
during operation 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	95%, no condensation in operation permitted)
Environmental footprint	
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

depth 27.7 mm

suitability for integration

• plastic enclosure Yes

• metal enclosure Yes

Approvals Certificates

General Product Approval







Confirmation





General Product Approval

Test Certificates

Marine / Shipping



<u>KC</u>



Type Test Certificates/Test Report

Special Test Certificate



other

Environment

Confirmation



Siemens EcoTech



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=3SU1400-1AA10-1CA0

Cax online generator

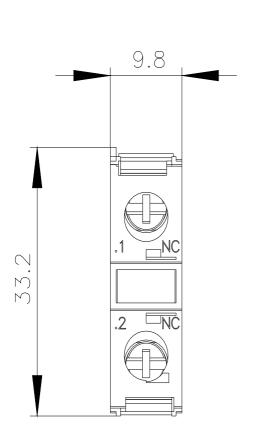
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1400-1AA10-1CA0}$

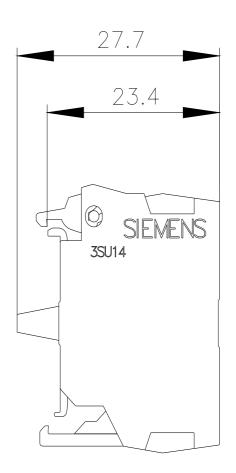
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

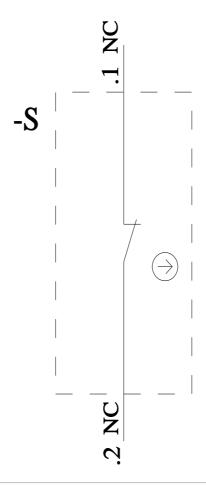
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1CA0

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

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







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