

Contact module with 1 contact element, 1 NC, screw-type terminal, for front plate mounting, Z = minimum order quantity 1 or a multiple thereof



product brand name	SIRIUS ACT
product designation	Contact module
product type designation	3SU1
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	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B

vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications acc. to DIN EN 61373	Category 1, Class B
operating frequency maximum	3 600 1/h
mechanical service life (switching cycles)	
• typical	10 000 000
electrical endurance (switching cycles)	
• typical	10 000 000
thermal current	10 A
reference code acc. to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A
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)
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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
• operational current at AC-12 at 48 V rated value	10 A
• operational current at AC-12 at 110 V rated value	10 A
• operational current at AC-12 at 230 V rated value	8 A
• operational current at AC-12 at 400 V rated value	8 A
• operational current at AC-15 at 24 V rated value	6 A
• operational current at AC-15 at 48 V rated value	6 A
• operational current at AC-15 at 110 V rated value	6 A

operational current at AC-15 at 230 V rated value	6 A
operational current at AC-15 at 400 V rated value	3 A
operational current at AC-15 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

type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
solid with core end processing	2x (0.5 ... 0.75 mm ²)
solid without core end processing	2x (1.0 ... 1.5 mm ²)
finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)
at AWG cables	2x (18 ... 14)
tightening torque	
with screw-type terminals	0.8 ... 0.9 N·m

Ambient conditions

environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 ... 95%, no condensation in operation permitted)
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Installation/ mounting/ dimensions

fastening method	front panel mounting
of modules and accessories	Front plate mounting
height	33.2 mm
width	9.8 mm
depth	27.7 mm

Certificates/ approvals

General Product Approval					Declaration of Conformity
 CSA	 CCC	 UL	 VDE	 EAC	Miscellaneous

Declaration of Conformity	Test Certificates	Marine / Shipping			
 EG-Konf.	Type Test Certificates/Test Report	Special Test Certificate	 ABS	 LRS	 PRS

Marine / Shipping	other	
 RINA	 RMRS	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=3SU1400-1AA10-1CA0-Z X01>

Cax online generator

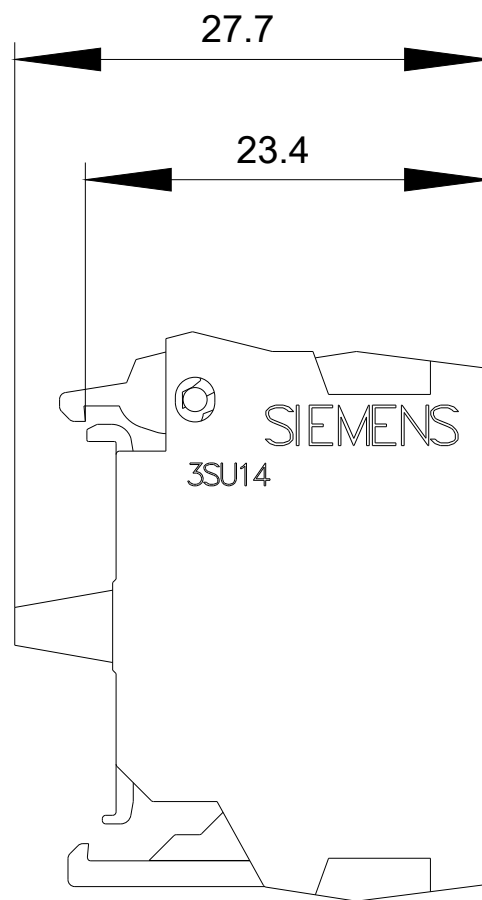
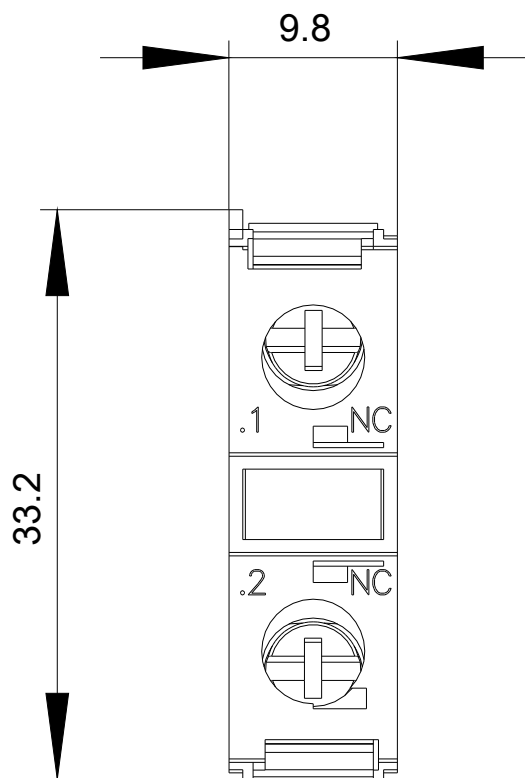
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1CA0-Z X01>

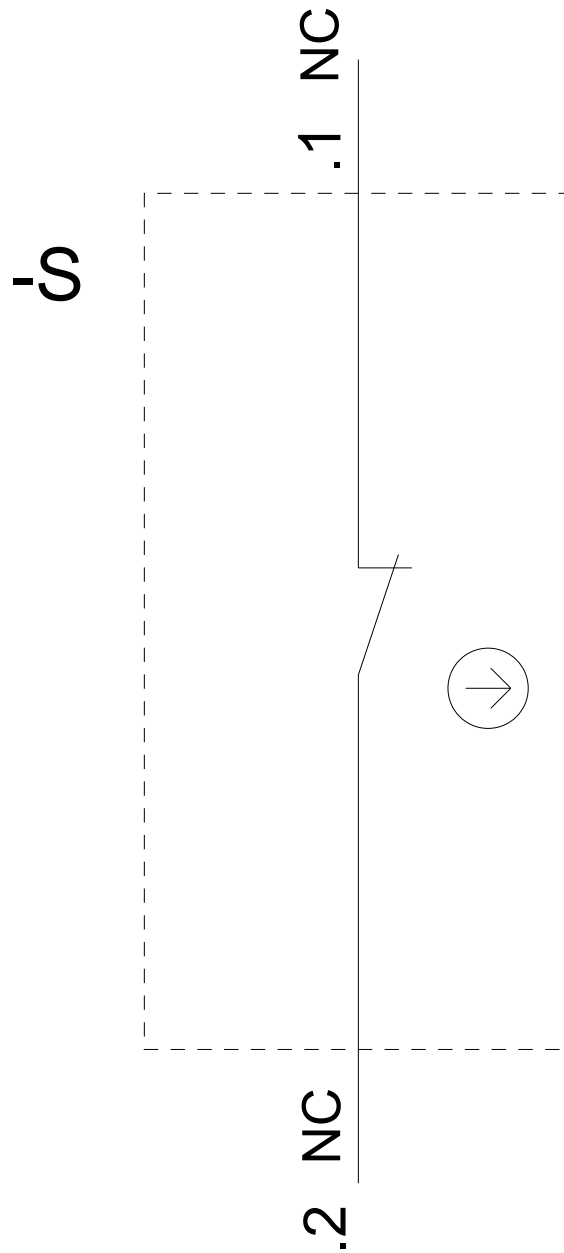
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1CA0-Z X01>

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-Z X01&lang=en





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