

Contact module with 2 contact elements, 1 NO+1 NC, screw terminal, for front plate mounting



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 50 g / 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 DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	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)
----------------------------	--

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	1
• leading contact	0
Operating 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
Operating 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
Operating current at DC-12	

• at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value • at 400 V rated value • at 500 V rated value	10 A 5 A 2.5 A 1 A 0.3 A 0.3 A
Operating current at DC-13 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value • at 400 V rated value • at 500 V rated value	3 A 1.5 A 0.7 A 0.3 A 0.1 A 0.1 A
Connections/ Terminals	
Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG conductors	2x (0.5 ... 0.75 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (0.5 ... 1.5 mm ²) 2x (1,0 ... 1,5 mm ²) 2x (18 ... 14)
Tightening torque • with screw-type terminals	0.8 ... 0.9 N·m
Ambient conditions	
Ambient temperature • during operation • during storage	-25 ... +70 °C -40 ... +80 °C
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)
Installation/ mounting/ dimensions	
Mounting type • of modules and accessories	front panel mounting Front plate mounting
Height	34 mm
Width	9.8 mm
Depth	49.7 mm
Certificates/ approvals	

General Product Approval



CCC



CSA



UL



VDE

KC



Declaration of Conformity



EG-Konf.

Miscellaneous

Test Certificates

Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping



ABS



LRS

Marine / Shipping



PRS



RINA



RMRS



DNVGL.COM/AF

other

Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

www.siemens.com/ic10

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1AA10-1FA0>

Cax online generator

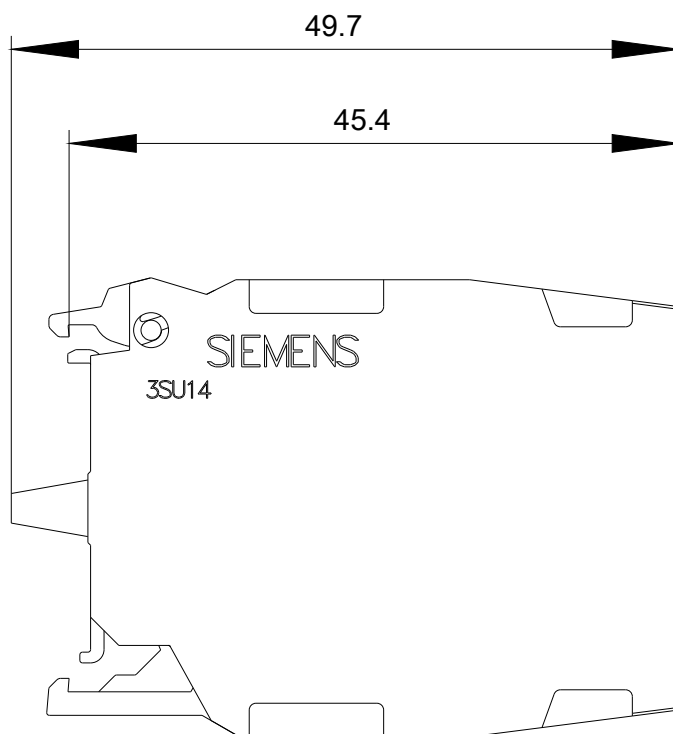
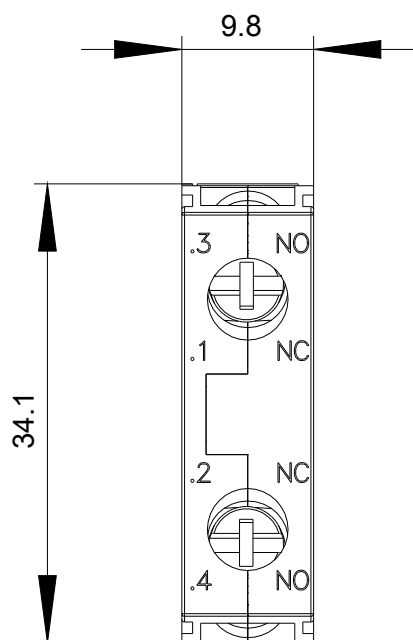
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1FA0>

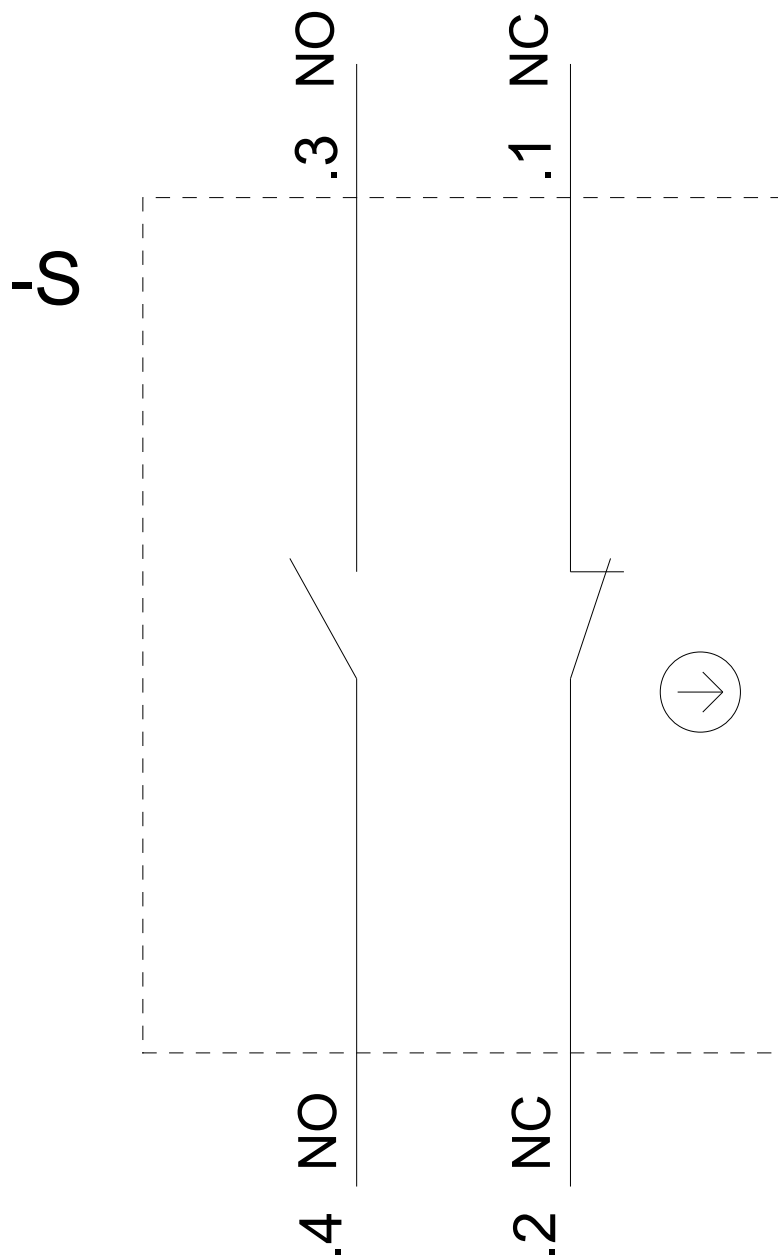
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1FA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1FA0&lang=en





last modified:

02/06/2020 [↗](#)