

Contact module with 1 contact element, 1 NO, spring-type terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof



product brand name	SIRIUS ACT
product designation	Contact module
product type designation	3SU1
General technical data	
• product function positive opening	No
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
• Shock resistance for railway applications acc. to DIN EN 61373	Category 1, Class B
• vibration resistance acc. to IEC 60068-2-6	10 ... 500 Hz: 5g

<ul style="list-style-type: none"> • Vibration resistance for railway applications acc. to DIN EN 61373 	Category 1, Class B
operating frequency maximum	3 600 1/h
<ul style="list-style-type: none"> • mechanical service life (switching cycles) typical 	10 000 000
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • <ul style="list-style-type: none"> — operating voltage at AC at 50 Hz rated value — operating voltage at AC at 60 Hz rated value • operating voltage at DC <ul style="list-style-type: none"> — rated value 	5 ... 500 V 5 ... 500 V 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
<ul style="list-style-type: none"> • number of NC contacts for auxiliary contacts 	0
<ul style="list-style-type: none"> • Number of NC contacts for auxiliary contacts lagging switching 	0
<ul style="list-style-type: none"> • number of NO contacts for auxiliary contacts 	1
<ul style="list-style-type: none"> • Number of NO contacts for auxiliary contacts leading contact 	0
<ul style="list-style-type: none"> • Operating current at AC-12 at 24 V rated value 	10 A
<ul style="list-style-type: none"> • operating current at AC-12 at 48 V rated value 	10 A
<ul style="list-style-type: none"> • operating current at AC-12 at 110 V rated value 	10 A
<ul style="list-style-type: none"> • Operating current at AC-12 at 230 V rated value 	8 A
<ul style="list-style-type: none"> • Operating current at AC-12 at 400 V rated value 	8 A
<ul style="list-style-type: none"> • Operating current at AC-15 at 24 V rated value 	6 A
<ul style="list-style-type: none"> • operating current at AC-15 at 48 V rated value 	6 A
<ul style="list-style-type: none"> • operating current at AC-15 at 110 V rated value 	6 A
<ul style="list-style-type: none"> • Operating current at AC-15 at 230 V rated value 	6 A
<ul style="list-style-type: none"> • Operating current at AC-15 at 400 V rated value 	3 A

• Operating current at AC-15 at 500 V rated value	1.4 A
• Operating current at DC-12 at 24 V rated value	10 A
• operating current at DC-12 at 48 V rated value	5 A
• operating current at DC-12 at 110 V rated value	2.5 A
• Operating current at DC-12 at 230 V rated value	1 A
• Operating current at DC-12 at 400 V rated value	0.3 A
• Operating current at DC-12 at 500 V rated value	0.3 A
• Operating current at DC-13 at 24 V rated value	3 A
• operating current at DC-13 at 48 V rated value	1.5 A
• operating current at DC-13 at 110 V rated value	0.7 A
• Operating current at DC-13 at 230 V rated value	0.3 A
• Operating current at DC-13 at 400 V rated value	0.1 A
• Operating current at DC-13 at 500 V rated value	0.1 A

Connections/ Terminals

• type of electrical connection	spring-loaded terminals
• Type of connectable conductor cross-sections solid without core end processing	2x (0.25 ... 1.5 mm ²)
• Type of connectable conductor cross-sections finely stranded with core end processing	2x (0.25 ... 0.75 mm ²)
• Type of connectable conductor cross-sections finely stranded without core end processing	2x (0.25 ... 1.5 mm ²)
• type of connectable conductor cross-sections at AWG conductors	2x (24 ... 16)

Ambient conditions

• ambient temperature during operation	-25 ... +70 °C
• ambient temperature during storage	-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	floor mounting
• Mounting type of modules and accessories	Floor mounting
height	36 mm
width	9.8 mm
depth	27.7 mm

Certificates/ approvals

General Product Approval



CCC



CSA



UL



VDE

[KC](#)



Declaration of Conformity



EG-Konf.

[Miscellaneous](#)

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Marine / Shipping



ABS



LRS

Marine / Shipping



PRS



RINA



RMRS

other

[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=3SU1400-2AA10-3BA0>

Cax online generator

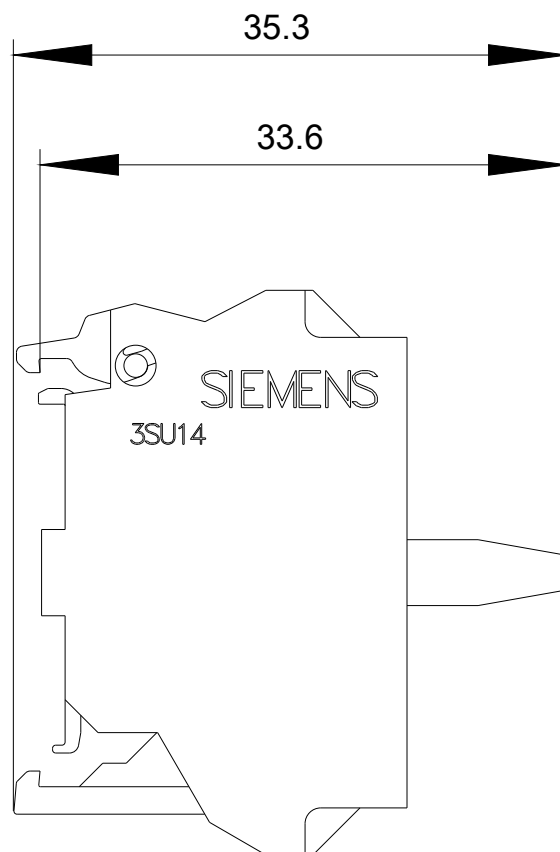
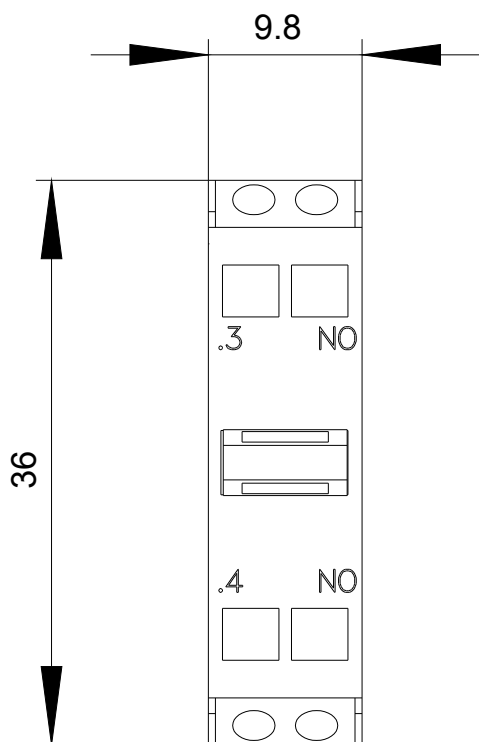
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2AA10-3BA0>

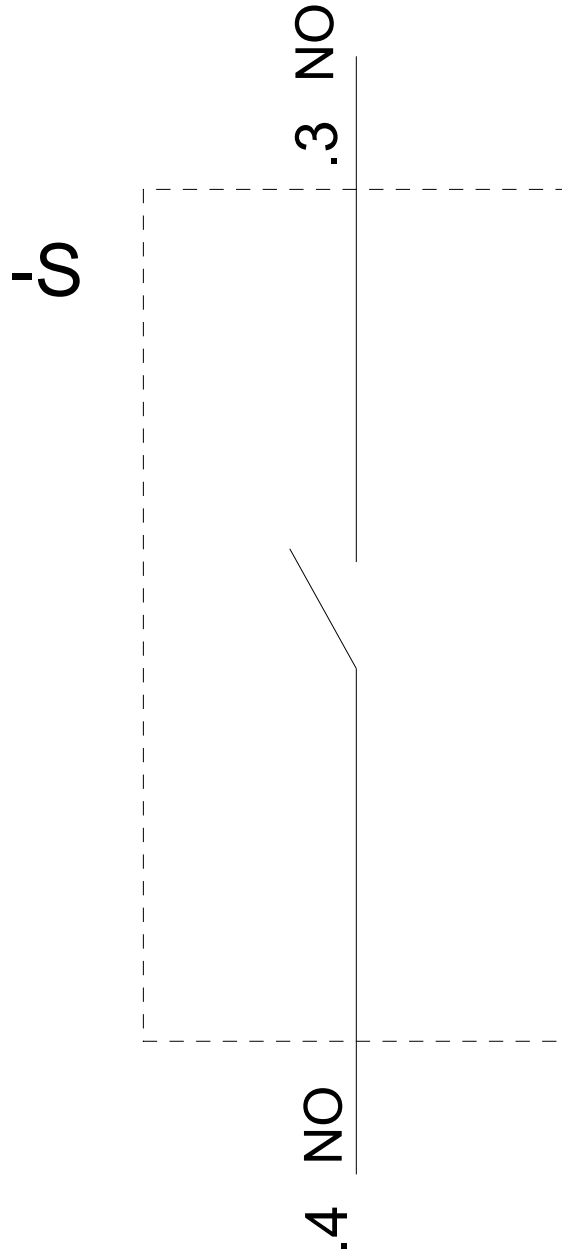
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2AA10-3BA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2AA10-3BA0&lang=en





last modified:

08/19/2020