



Contact module with 1 contact element, 1 NO, soldered connection, for use on printed circuit boards

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	250 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	4 kV
protection class IP	
• of the enclosure	IP40
• of the terminal	IP00
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 ... 240 V
— at 60 Hz rated value	5 ... 240 V
• operating voltage at DC rated value	5 ... 250 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	0
• lagging switching	0

number of NO contacts for auxiliary contacts	1
• leading contact	0
operational 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	10 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	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
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

Connections/ Terminals

type of electrical connection	Socket connection (THT)
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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

fastening method	Printed circuit board
• of modules and accessories	Printed circuit board
height	18.5 mm
width	7.6 mm
depth	16.2 mm
type of soldering method	Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts
parameter of the soldering method	Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin
soldering point quality acc. to IPC A-610	Class 2

Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
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[KC](#)



[Miscellaneous](#)



[Type Test Certificates/Test Report](#)

Test Certificates Marine / Shipping

[Special Test Certificate](#)



other

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=3SU1400-3AA10-5BA0>

Cax online generator

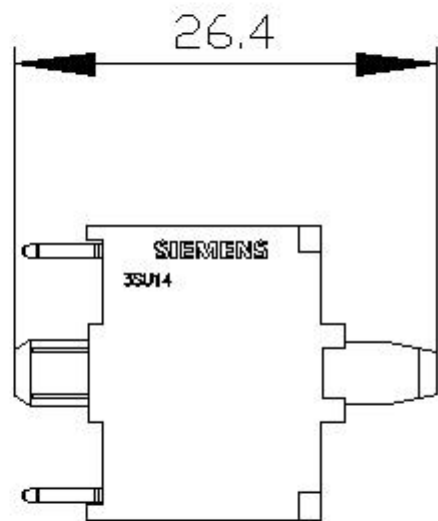
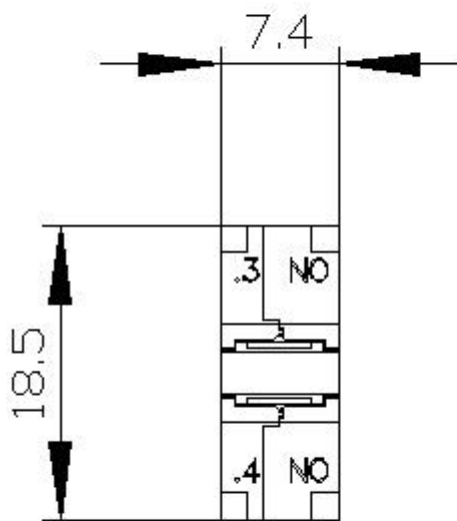
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-3AA10-5BA0>

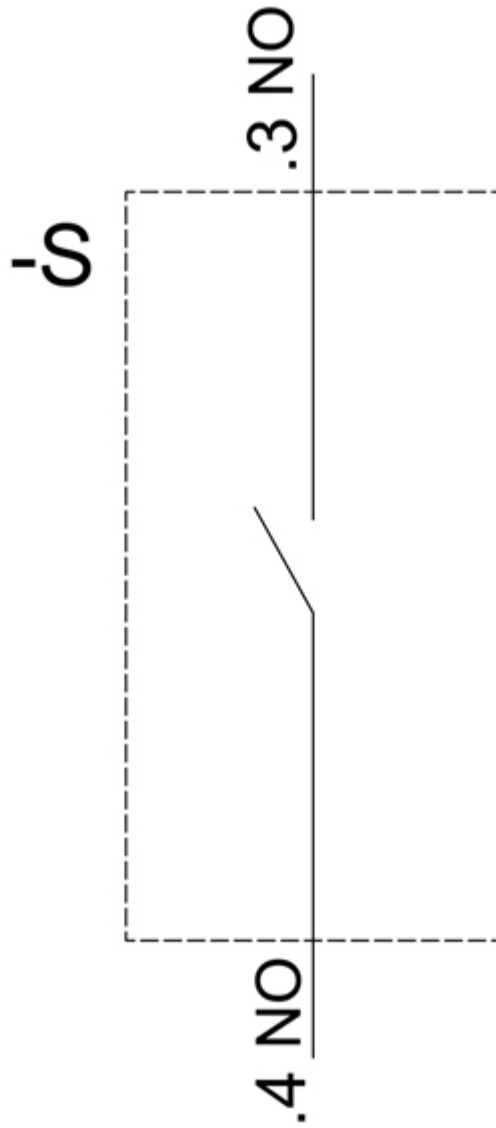
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-3AA10-5BA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-3AA10-5BA0&lang=en





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