Data sheet

3SU1400-1AA10-1DA0



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





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	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, clamping screw tightened
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
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)

design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts lagging switching 0 number of NO contacts for auxiliary contacts 0 leading contact 0 operational current at AC-12 et 24 V rated value 10 A et 230 V rated value 10 A et 240 V rated value 8 A et 240 V rated value 8 A et 240 V rated value 8 A et 24100 V rated value 6 A et 24100 V rated value 6 A et 24100 V rated value 6 A et 2410 V rated value 6 A et 3410 V rated value 6 A et 3410 V rated value 6 A et 3410 V rated value 1.4 A operational current at DC-12 et 24 V rated value 5 A et 340 V rated value 5 A et 340 V rated value 5 A et 3410 V rated value 5 A et 3410 V rated value 5 A et 3410 V rated value 0.3 A et 400 V rated value 0	Auxiliary circuit	
number of NC contacts for auxillary contacts elagging switching 0 0 0 0 0 0 0 0 0		Silver alloy
• lagging switching 0		·
Number of NO contacts for auxiliary contacts 2 eleading contact 0	· · · · · · · · · · · · · · · · · · ·	0
eleading contact		2
at 24 V rated value	-	0
* at 24 V rated value	<u> </u>	
** at 110 V rated value	at 24 V rated value	10 A
* at 230 V rated value	at 48 V rated value	10 A
• at 400 V rated value	• at 110 V rated value	10 A
operational current at AC-15	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 500 V rated value 1.4 A operational current at DC-12 • at 24 V rated value 5A • at 48 V rated value 5A • at 110 V rated value 1A • at 230 V rated value 1A • at 400 V rated value 1A • at 24 V rated value 1A • at 48 V rated value 1A • at 48 V rated value 1A • at 230 V rated value 1A • at 230 V rated value 1A • at 200 V rated value 1A • at 200 V rated value 1A • at 500 V rated v	at 230 V rated value	6 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 3 A 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 type of electrical connection screw terminal type of connectable conductor cross-sections solid with core end processing 2x (0.5 0.75 mm²) solid without core end processing 2x (1.0 1.5 mm²) e finely stranded with core end processing 2x (1.0 1.5 mm²) e for AWG cables 2x (18 14) tightening torque with screw-type terminals 0.8 0.9 N·m Ambient conditions ambient temperature	• at 400 V rated value	3 A
	• at 500 V rated value	1.4 A
■ at 48 V rated value ■ at 110 V rated value ■ at 230 V rated value ■ at 230 V rated value ■ at 400 V rated value ■ at 500 V rated value ■ at 48 V rated value ■ at 24 V rated value ■ at 48 V rated value ■ at 110 V rated value ■ at 230 V rated value ■ at 230 V rated value ■ at 500 V rated value ■ connections/ Terminals type of electrical connection ■ screw terminal type of connectable conductor cross-sections ■ solid with core end processing ■ solid with core end processing ■ solid without core end processing ■ finely stranded with core end processing ■ finely stranded without core end processing ■ finely stranded without core end processing ■ for AWG cables 2x (1.0 1.5 mm²) ● for AWG cables 2x (1.1 1.5 mm²) ■ for AWG cables 3 A ■ at 48 V rated value 0.3 A 0.4 A 0.7 A 0.7 A 0.3 A 0.7 A 0.7 A 0.7 A 0.3 A 0.7 A	operational current at DC-12	
at 110 V rated value at 230 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 500 V rated value at 24 V rated value at 110 V rated value at 110 V rated value at 110 V rated value at 230 V rated value at 230 V rated value at 500 V rated value 20.1 A Connections/ Terminals type of electrical connection screw terminal type of connectable conductor cross-sections solid with core end processing solid without core end processing at (0.5 0.75 mm²) solid without core end processing at (1.0 1.5 mm²) at finely stranded without core end processing at (1.0 1.5 mm²)	• at 24 V rated value	10 A
 at 230 V rated value 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 at 48 V rated value at 110 V rated value at 230 V rated value at 230 V rated value at 400 V rated value at 400 V rated value at 500 V rated value 20.1 A Connections/ Terminals type of electrical connection screw terminal type of connectable conductor cross-sections solid with core end processing solid with core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables for AWG cables for AWG cables ambient temperature 	• at 48 V rated value	5 A
at 400 V rated value at 500 V rated value operational 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 230 V rated value at 240 V rated value at 250 V rated value at 250 V rated value at 400 V rated value at 400 V rated value at 500 V rated value oth A Connections/ Terminals type of connectable conductor cross-sections solid with core end processing solid with core end processing at 2x (0.5 0.75 mm²) solid without core end processing at 2x (1.0 1.5 mm²) at 500 V rated value connectable conductor cross-sections solid with core end processing at 2x (1.0 1.5 mm²) at 500 V rated value connectable conductor cross-sections at 500 V rated value connectable conductor cross-sections at 500 V rated value connectable conductor cross-sections at 700 V rated value connectable conductor cross-sections connectable conductor cross-sections at 600 V rated value connectable conductor cross-sections connectable conductor cross-sections connectable conductor cross-sections connectable conductor cross-sections connectable connectable connectable conductor cross-sections connectable connecta	• at 110 V rated value	2.5 A
• at 500 V rated value operational 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 240 V rated value • at 250 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at 6	at 230 V rated value	1 A
operational 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 230 V rated value • at 400 V rated value • at 500 V rated value Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables tightening torque with screw-type terminals Ambient conditions ambient temperature	• at 400 V rated value	0.3 A
 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 500 V ra	at 500 V rated value	0.3 A
 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 at 500 V rated value at 500 V rated value o.1 A Connections/ Terminals type of electrical connection screw terminal 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 finely stranded without core end processing for AWG cables for AWG cables tightening torque with screw-type terminals Ambient conditions Ambient temperature	operational current at DC-13	
 at 110 V rated value at 230 V rated value at 400 V rated value at 500 V rated value 0.1 A Connections/ Terminals type of electrical connection screw terminal 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 finely stranded without core end processing finely stranded without core end processing for AWG cables for AWG cables 2x (18 14) tightening torque with screw-type terminals Ambient conditions Ambient temperature	at 24 V rated value	3 A
 at 230 V rated value at 400 V rated value at 500 V rated value 0.1 A Connections/ Terminals type of electrical connection screw terminal 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 finely stranded without core end processing for AWG cables tightening torque with screw-type terminals Ambient conditions Ambient temperature 0.3 A 0.1 A 0.1 A 0.1 A 0.2 (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (1.0 1,5 mm²) 2x (1.0 1,5 mm²) 0.8 0.9 N·m 	at 48 V rated value	1.5 A
at 400 V rated value at 500 V rated value 0.1 A Connections/ Terminals type of electrical connection screw terminal type of connectable conductor cross-sections a solid with core end processing solid without core end processing finely stranded with core end processing after the finely stranded without core end processing for AWG cables arbient conditions 0.1 A 0.2 M-7 0.2 M-7 0.3 M-7 0.3 M-7 0.4 M-7 0.5 M-7 0.8 M-7 0.8 M-7 0.8 M-7 0.9 N-m 0.8 M-7 0.9 N-m	at 110 V rated value	0.7 A
■ at 500 V rated value Connections/ Terminals type of electrical connection screw terminal type of connectable conductor cross-sections ■ solid with core end processing ■ solid without core end processing ■ solid without core end processing ■ finely stranded with core end processing ■ finely stranded without core end processing ■ for AWG cables tightening torque with screw-type terminals Ambient conditions ambient temperature	at 230 V rated value	0.3 A
type of electrical connection 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 • for AWG cables tightening torque with screw-type terminals connections screw terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1.0 1,5 mm²)	• at 400 V rated value	0.1 A
type of electrical connection 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 • finely stranded without core end processing • for AWG cables tightening torque with screw-type terminals Ambient conditions ambient temperature	• at 500 V rated value	0.1 A
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 • finely stranded without core end processing • for AWG cables • for AWG cables • for AWG cables • finely stranded with screw-type terminals • for AWG cables	Connections/ Terminals	
 solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for AWG cables tightening torque with screw-type terminals Ambient conditions 2x (0.5 0.75 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 0.8 0.9 N·m Ambient temperature	type of electrical connection	screw terminal
 solid without core end processing finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for AWG cables tightening torque with screw-type terminals Ambient conditions Ambient temperature 2x (1.0 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 0.8 0.9 N·m	type of connectable conductor cross-sections	
 finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque with screw-type terminals Ambient conditions ambient temperature 	 solid with core end processing 	2x (0.5 0.75 mm²)
● finely stranded without core end processing ○ for AWG cables ○ for AWG cables ○ 2x (18 14) tightening torque with screw-type terminals Ambient conditions ambient temperature	 solid without core end processing 	2x (1.0 1.5 mm²)
	 finely stranded with core end processing 	2x (0.5 1.5 mm²)
tightening torque with screw-type terminals Ambient conditions ambient temperature	 finely stranded without core end processing 	2x (1,0 1,5 mm²)
Ambient conditions ambient temperature		
ambient temperature		0.8 0.9 N·m
	Ambient conditions	
05 . 70.00	ambient temperature	
	during operation	-25 +70 °C
• 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 95%, no condensation in operation permitted)		3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)
Environmental footprint		, coc opoiddon ponnidad,
Environmental Product Declaration(EPD) Yes	<u> </u>	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		front plate mounting
• of modules and accessories Front plate mounting		
height 34 mm		
width 9.8 mm		
depth 49.7 mm		

suitability for integration

- plastic enclosure

General Product Approval

No No

• metal enclosure

Approvals Certificates







Confirmation





General Product Approval

<u>KC</u>



Special Test Certific-<u>ate</u>

Test Certificates

Type Test Certificates/Test Report



Marine / Shipping

Marine / Shipping





Confirmation

other



Environment

Siemens **EcoTech**



Environment

Environmental Confirmations

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=3SU1400-1AA10-1DA0

Cax online generator

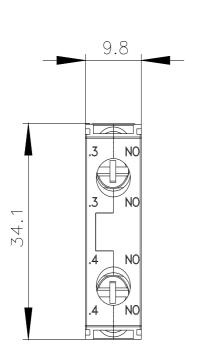
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1DA0

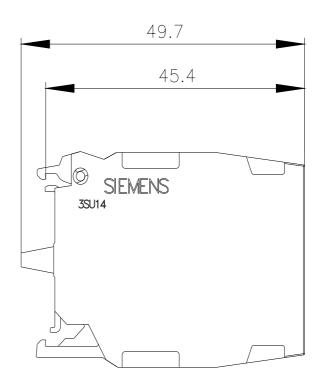
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

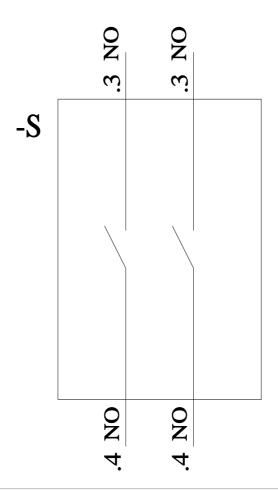
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1DA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1DA0&lang=en







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