Data sheet

product brand name

3SU1400-1AA10-1BA0





Contact module with 1 contact element, 1 NO, screw terminal, for front plate mounting, Minimum order quantity 5 or a multiple of this



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	
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	
Weight	8.2 g	
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 Power Electronics		

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contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
Auxiliary circuit	(5.) 1.1111
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	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 230 V rated value	6 A
• at 400 V rated value	3 A
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 Connections / Terminals	0.1 A
Connections/ Terminals	acrow terminal
type of electrical connection	screw terminal
type of connectable conductor cross-sections	2v (0.5 = 0.75 mm²)
solid with core end processing solid without core and processing	2x (1.0 1.5 mm²)
solid without core end processing finally stranded with core and processing	2x (1.0 1.5 mm²)
finely stranded with core end processing finely stranded without core end processing	2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²)
 finely stranded without core end processing for AWG cables 	2x (1,0 1,5 min-) 2x (18 14)
tightening torque with screw-type terminals	0.8 0.9 N·m
Ambient conditions	0.0 0.0 IT III
ambient temperature	
during operation	-25 +70 °C
during operation during storage	-40 +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)
Environmental footprint	
Environmental Product Declaration(EPD)	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
	•

 of modules and accessories 	Front plate mounting
height	33.2 mm
width	9.8 mm
depth	27.7 mm
suitability for integration	
plastic enclosure	Yes
metal enclosure	Yes

Approvals Certificates

General Product Approval













General Product Approval

Test Certificates

Maritime application

<u>KC</u>



Type Test Certificates/Test Report

Special Test Certificate





Maritime application

other

Environment





Confirmation



Siemens EcoTech



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information for data generation and storage

https://support.industry.siemens.com/cs/ww/en/view/109995012

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=3SU1400-1AA10-1BA0

Cax online generator

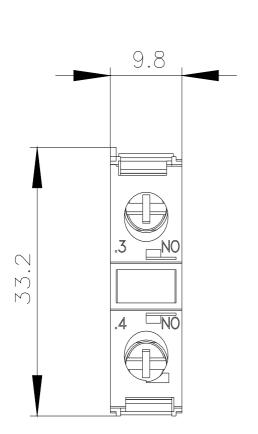
 $\underline{https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1400-1AA10-1BA0}$

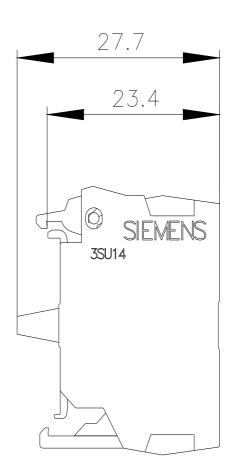
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

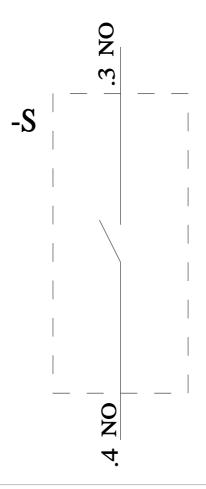
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1BA0

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1BA0&lang=en







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