SIEMENS

Data sheet

3SU1400-2AA10-1CA0



Contact module with 1 contact element, 1 NC, screw-type terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof

product designation product type designation General technical data product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage of the operating voltage of the input voltage of the enclosure of the enclosure of the terminal lP20 shock resistance acc. to IEC 60068-2-7 of railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60088-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60088-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 61346-2 Scategory 1, Class B vibration resistance acc. to IEC 6	product brand name	SIRIUS ACT
product function positive opening yes insulation voltage rated value 500 V degree of pollution 3 type of voltage • of the operating voltage • of the input voltage • of the input voltage AC/DC Surge voltage resistance rated value • of the enclosure • of the enclosure • of the terminal Sinusoidal half-wave 50g / 11 ms Category 1, Class B vibration resistance • acc. to IEC 60068-2-7 • for railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance • acc. to IEC 60068-2-6 • 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 electrical endurance (switching cycles) typical 10 000 000 electrical endurance (switching cycles) typical 10 000 000 reference code acc. to IEC 81346-2 Scontinuous current of the C characteristic MCB • operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value — operating voltage at DC rated value • operating voltage at DC rated value • operating voltage at DC rated value Sinusoidal half-wave 50g / 11 ms Category 1, Class B 10 A0 10	product designation	Contact module
product function positive opening insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage of the operating voltage AC/DC **Of the input voltage Of the input voltage AC/DC **Of the input voltage Of kV protection class IP of the enclosure of the terminal IP20 **Shock resistance Ac. to IEC 60068-2-27 For railway applications acc. to DIN EN 61373 **Vibration resistance Acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 **Operating frequency maximum Category 1, Class B **Operating frequency maximum Accepting frequency fr	product type designation	3SU1
insulation voltage rated value degree of pollution type of voltage of the operating voltage AC/DC surge voltage resistance rated value protection class IP of the enclosure if the enclosure if the terminal shock resistance acc. to IEC 60068-2-27 if or railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum accurrent electrical endurance (switching cycles) typical thermal current 10 A reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value operating voltage at DC rated value operating voltage at DC rated value operating voltage at DC rated value operating voltage at DC rated value operating voltage at DC rated value operating voltage at DC rated value operating voltage at DC rated value operating voltage at DC rated value in the solution of the contact of auxiliary contacts solution (5 V, 1 mA) Auxiliary circuit design of the contact of auxiliary contacts Silver alloy unumber of NC contacts for auxiliary contacts Silver alloy	General technical data	
degree of pollution type of voltage	product function positive opening	Yes
type of voltage of the operating voltage of the input voltage surge voltage resistance rated value protection class IP of the enclosure of the terminal IP20 shock resistance of acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance of acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance of railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) typical thermal current reference code acc. to IEC 81346-2 S continuous current of the C characteristic MCB operating voltage at AC — at 50 Hz rated value operating voltage at DC rated value source of the contact of auxiliary contacts source of NC contacts of auxiliary contacts Silver alloy number of NC contacts for auxiliary contacts I	insulation voltage rated value	500 V
of the operating voltage of the input voltage of the input voltage surge voltage resistance rated value protection class IP of the enclosure of the terminal inpace voltage resistance of the terminal inpace voltage resistance of the terminal inpace voltage resistance of the terminal inpace voltage vesistance of the terminal inpace voltage vesistance of the content voltage vesistance vesistance of the voltage vesistan	degree of pollution	3
of the input voltage surge voltage resistance rated value protection class IP of the enclosure of the terminal IP20 shock resistance oct, to IEC 60068-2-27 of railway applications acc. to DIN EN 61373 vibration resistance oct, to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance oct, to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance oct, to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical thermal current 10 A reference code acc. to IEC 81346-2 S continuous current of the C characteristic MCB operating voltage at AC	type of voltage	
surge voltage resistance rated value protection class IP of the enclosure of the terminal lP20 shock resistance acc. to IEC 60068-2-27 of or railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance of railway applications acc. to DIN EN 61373 operating frequency maximum accompanies witching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) typical thermal current reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB operating voltage at AC - at 50 Hz rated value - at 60 Hz rated value operating voltage at DC rated value operation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)	 of the operating voltage 	AC/DC
protection class IP	of the input voltage	AC/DC
of the enclosure of the terminal shock resistance acc. to IEC 60068-2-27 of railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum a 600 1/h mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical delectrical endurance (switching cycles) typical thermal current reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value operating voltage at DC rated value 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	surge voltage resistance rated value	6 kV
of the terminal shock resistance o acc. to IEC 60068-2-27 of railway applications acc. to DIN EN 61373 vibration resistance o acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance o acc. to IEC 60068-2-6 of railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum	protection class IP	
shock resistance	 of the enclosure 	IP40
Sinusoidal half-wave 50g / 11 ms of railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance	of the terminal	IP20
of railway applications acc. to DIN EN 61373 vibration resistance o acc. to IEC 60068-2-6 o for railway applications acc. to DIN EN 61373 operating frequency maximum mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) typical thermal current	shock resistance	
vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical thermal current 10 A reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB • operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value • operating voltage at DC rated value S 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	• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
o acc. to IEC 60068-2-6 o for railway applications acc. to DIN EN 61373 operating frequency maximum	 for railway applications acc. to DIN EN 61373 	Category 1, Class B
of railway applications acc. to DIN EN 61373 operating frequency maximum	vibration resistance	
operating frequency maximum mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical thermal current reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB operating voltage at AC - at 50 Hz rated value - at 60 Hz rated value operating voltage at DC rated value operating voltage at DC rated value for malloperation 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 number of NC contacts for auxiliary contacts 10 000 000 10 A 10 A 5 500 V 5 500 V 6 operating voltage at DC rated value The malloperation 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 number of NC contacts for auxiliary contacts 1	• acc. to IEC 60068-2-6	10 500 Hz: 5g
mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical thermal current 10 A reference code acc. to IEC 81346-2 S continuous current of the C characteristic MCB • operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V • operating voltage 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 number of NC contacts for auxiliary contacts 1 0 000 000 10 000 1	 for railway applications acc. to DIN EN 61373 	Category 1, Class B
electrical endurance (switching cycles) typical thermal current reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB • operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V • operating voltage 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 number of NC contacts for auxiliary contacts 1	operating frequency maximum	3 600 1/h
thermal current reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value operating voltage at DC rated value substituting the 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	mechanical service life (switching cycles) typical	10 000 000
reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB • operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V • operating voltage 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	electrical endurance (switching cycles) typical	10 000 000
continuous current of the C characteristic MCB ● operating voltage at AC — at 50 Hz rated value 5 500 V — at 60 Hz rated value 5 500 V • operating voltage 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 number of NC contacts for auxiliary contacts 1	thermal current	10 A
operating voltage at AC — at 50 Hz rated value — at 60 Hz rated value operating voltage at DC rated value operating voltage at DC rated value operating voltage at DC rated value 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	reference code acc. to IEC 81346-2	S
- at 50 Hz rated value 5 500 V - at 60 Hz rated value 5 500 V • operating voltage 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	continuous current of the C characteristic MCB	10 A
— at 60 Hz rated value 5 500 V • operating voltage 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	 operating voltage at AC 	
 operating voltage 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 	— at 50 Hz 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 number of NC contacts for auxiliary contacts 1	— at 60 Hz rated value	5 500 V
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 number of NC contacts for auxiliary contacts 1	 operating voltage at DC rated value 	5 500 V
million (5 V, 1 mA) Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1	Power Electronics	
design of the contact of auxiliary contacts Number of NC contacts for auxiliary contacts Silver alloy	contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
number of NC contacts for auxiliary contacts 1	Auxiliary circuit	
	design of the contact of auxiliary contacts	Silver alloy
• lagging switching 0	number of NC contacts for auxiliary contacts	1
	 lagging switching 	0

number of NO contacts for auxiliary contacts	0
• leading contact	0
operational current at AC-12	
at 24 V rated value	10 A
at 48 V rated value	10 A
at 40 V rated value 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	6.4
 at 24 V rated value at 48 V rated value 	6 A
	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	0.1 A
Connections/ Terminals	
type of electrical connection	screw-type terminals
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)
finely stranded with core end processing	2x (0.5 1.5 mm²)
finely stranded without core end processing	2x (1,0 1,5 mm²)
at AWG cables	2x (18 14)
tightening torque with screw-type terminals	0.8 0.9 N·m
Ambient conditions	0.0 0.5 N III
	05 .70.00
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	floor mounting
of modules and accessories	Floor mounting
height	33.2 mm
width	9.8 mm
depth	27.7 mm
Certificates/ approvals	
General Product Approval	
Ocheral Froduct Approval	









<u>KC</u>



Declaration of Conformity

Test Certificates

Marine / Shipping

Miscellaneous

Miscellaneous



Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other









Confirmation

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=3SU1400-2AA10-1CA0

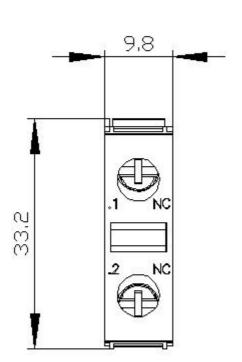
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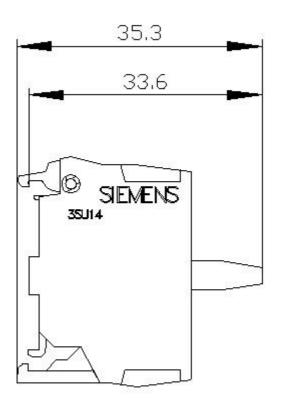
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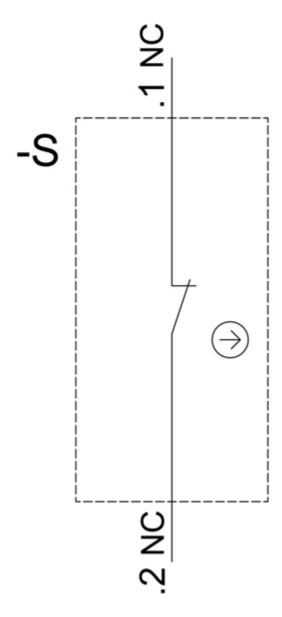
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2AA10-1CA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1400-2AA10-1CA0&lang=en







last modified: 12/18/2020 ☑