3SU1400-1AA10-3DA0

Data sheet



Contact module with 2 contact elements, 2 NO, spring-type terminal, for front plate mounting $\,$

product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage of the operating voltage of the operating voltage of the operating voltage of the input voltage AC/DC surge voltage resistance rated value protection class IP of the enclosure of the terminal IP20 IP40 of the terminal IP20 Sinusoidal half-wave 50g / 11 ms cate to IEC 60068-2-27 of or railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 of or railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 of or railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 of or allway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 o for allway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 o for allway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 o for allway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 o for allway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 o for allway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 o for allway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance o acc. to IEC 60068-2-6 o acc. to IEC 81346-2 o acc. to IEC 81	product brand name	SIRIUS ACT
product function positive opening No Insulation voltage rated value 500 V degree of pollution 3 type of voltage	product designation	Contact module
product function positive opening insulation voltage rated value 500 V degree of pollution type of voltage	product type designation	3SU1
insulation voltage rated value degree of pollution type of voltage of the operating voltage of the operating voltage of the operating voltage of the operating voltage of the enclosure of the terminal protection class IP of the erclosure of the terminal protection class IP of the terminal protection class IP of the erclosure of the terminal protection class IP of railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance occ. to IEC 60068-2-67 of or railway applications acc. to DIN EN 61373 Category 1, Class B vibration resistance or railway applications acc. to DIN EN 61373 Category 1, Class B operating frequency maximum a 5600 1/h mechanical service life (switching cycles) typical ole citrical endurance (switching cycles) typical electrical endurance (switching cycles) typical operating current reference code acc. to IEC 81346-2 sontinuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage o at AC — at 50 Hz rated value — at 60 Hz rated value o at DC rated value ot AC one maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) wexitiary circuit design of the contact of auxiliary contacts	General technical data	
degree of pollution 3 type of voltage AC/DC of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP40 of the enclosure IP40 of the terminal IP20 shock resistance sinusoidal half-wave 50g / 11 ms acc. to IEC 60088-2-27 cin railway applications acc. to DIN EN 61373 vibration resistance 2 category 1, Class B acc. to IEC 60088-2-6 10 500 Hz: 5g of or 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 Substance Prohibitance (Date) 0 1.0.2014 00:00:00 operating voltage at AC — at 50 Hz rated value 5 500 V at Crated value 5 500 V	product function positive opening	No
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of the input voltage surge voltage resistance rated value of the enclosure of the enclosure of the terminal iP20 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 or railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 of or railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 of or railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum acc. to IEC 60068-2-6 of or railway applications acc. to DIN EN 61373 operating frequency maximum acc. to IEC 81346-2 acc. to IEC 81346-2 scoot acc. to IEC 813	type of voltage	
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of the terminal shock resistance	protection class IP	
shock resistance • acc. to IEC 60068-2-27 • 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 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 continuous current of the C characteristic MCB operating voltage • at AC — at 50 Hz rated value • at DC rated va	 of the enclosure 	IP40
acc. 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 category 1, Class B 10 500 Hz: 5g for railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum acchanical service life (switching cycles) typical electrical endurance (switching cycles) typical thermal current treference code acc. to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage at AC at 50 Hz rated value at AC at 50 Hz rated value at DC rated value at DC rated value on at DC rated value on at DC rated value on 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 sinusoidal half-wave 50g / 11 ms category 1, Class B 10 500 Hz: 5g Category 1, Class B 10 500 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10 000 10	of the terminal	IP20
of railway applications acc. to DIN EN 61373 vibration resistance	shock resistance	
vibration 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
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 Substance Prohibitance (Date) operating voltage	vibration resistance	
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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 Substance Prohibitance (Date) operating voltage	 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 Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at DC rated value • our Electronics contact reliability Cone 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	operating frequency maximum	3 600 1/h
thermal current reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V • at DC rated value 5 500 V ower 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	mechanical service life (switching cycles) typical	10 000 000
reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V • at DC rated value 5 500 V ower 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	electrical endurance (switching cycles) typical	10 000 000
continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V • at DC rated value 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	thermal current	10 A
Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — 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) Auxiliary circuit design of the contact of auxiliary contacts Silver alloy	reference code acc. to IEC 81346-2	S
operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V • at DC rated value 5 500 V ower 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	continuous current of the C characteristic MCB	10 A
 at AC at 50 Hz rated value at 60 Hz rated value at DC rated value at DC 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 Silver alloy	Substance Prohibitance (Date)	01.10.2014 00:00:00
- 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) Auxiliary circuit design of the contact of auxiliary contacts Silver alloy	operating voltage	
— 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) Auxiliary circuit design of the contact of auxiliary contacts Silver alloy	• at AC	
● 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	— at 50 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 Silver alloy	— 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 Silver alloy	at DC rated value	5 500 V
million (5 V, 1 mA) Auxiliary circuit design of the contact of auxiliary contacts Silver alloy	Power Electronics	
design of the contact of auxiliary contacts Silver alloy	contact reliability	
	Auxiliary circuit	
number of NC contacts for auxiliary contacts 0	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	2
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 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 	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 mm²)
 finely stranded with core end processing 	2x (0.25 0.75 mm²)
 finely stranded without core end processing 	2x (0.25 1.5 mm²)
at AWG cables	2x (24 16)
Ambient conditions	
ambient temperature	
 during operation 	-25 +70 °C
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	front panel mounting
of modules and accessories	Front plate mounting
height	36 mm
width	9.8 mm
depth	49.7 mm
Certificates/ approvals	

General Product Approval









<u>KC</u>





UK Declaration of Conformity

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=3SU1400-1AA10-3DA0

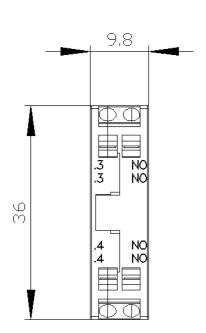
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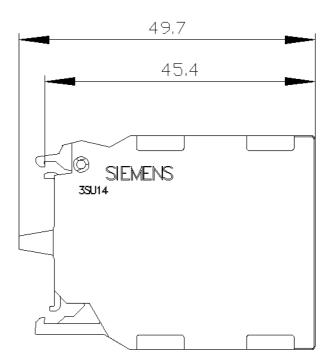
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3DA0

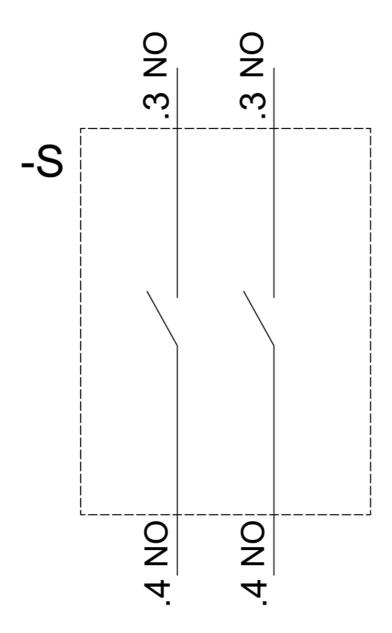
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1400-1AA10-3DA0&lang=en







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