SIEMENS

Data sheet

3SU1400-1AA10-1NA0



Contact module with 2 contact elements, 2 NO, gold-plated contacts, screw terminal, for front plate mounting $\,$

product type designation ground type of pollution ground type of voltage of the operating voltage of the operating voltage of the input voltage of the input voltage of the enclosure of the enclosure of the terminal shock resistance acc. to IEC 60088-2-7 of railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60088-2-6 of railway applications acc. to DIN EN 61373 category 1, Class B category	product brand name	SIRIUS ACT
Product function positive opening No Insulation voltage rated value 500 V	product designation	Contact module
product function positive opening insulation voltage rated value degree of pollution type of voltage of the input 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, clamping screw tightened shock resistance ac. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance oe acc. to IEC 60068-2-6 of rerilway applications acc. to DIN EN 61373 category 1, Class B vibration resistance operating frequency maximum accompanies of the contact of sufficient of the contact of the C characteristic MCB operating frequency maximum reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB operating voltage at AC 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 number of NC contacts for auxiliary contacts	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 AC/DC Surge voltage resistance rated value protection class IP of the enclosure of the terminal shock resistance acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 of ror railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance eacc. to IEC 60068-2-6 of ror railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum mechanical service life (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 — at 60 Hz rated value operating voltage at DC rated value operatin	General technical data	
degree of pollution type of voltage	product function positive opening	No
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 shock resistance 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 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 electrical endurance (switching cycles) typical thermal current freference code acc. to IEC 81346-2 continuous current of the C characteristic MCB operating voltage at AC - at 50 Hz rated value operating voltage at DC rated value operating voltage at DC rated value operating voltage at DC rated value freference code acc. to IEC 81346-2 continuous current of the C characteristic MCB operating voltage at DC rated value operating voltage at DC rated value operating voltage at DC rated value freference code acc. to IEC 81346-2 Continuous current of the C characteristic MCB operating voltage at DC rated value freference code acc. to IEC 81346-2 Continuous current of the C characteristic MCB operating voltage at DC - at 50 Hz rated value operating voltage at DC operating voltage at DC operating voltage at DC - at 60 Hz rated value operating voltage at DC operating voltage at DC - at 50 Hz rated value operating voltage at DC - at 50 Hz rated value operating voltage at DC - at 50 Hz rated value operating voltage at DC - at 50 Hz rated value operating voltage at DC - at 50 Hz rated value operating voltage at DC - at 50 Hz rated value operating voltage at DC - at 50 Hz rated value operating voltage at DC - at 50 Hz rated value operating voltage at DC - at 50 Hz rated valu	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 enclosure of the terminal input voltage input voltage of the terminal input voltage input	degree of pollution	3
of the input voltage surge voltage resistance rated value protection class IP of the enclosure of the terminal input voltage input voltage of the terminal input voltage input volt	type of voltage	
surge voltage resistance rated value protection class IP of the enclosure of the terminal 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 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 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) Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	 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 or railway applications acc. to DIN EN 61373 category 1, Class B vibration resistance acc. to IEC 60068-2-6 or 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 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 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	surge voltage resistance rated value	6 kV
of the terminal shock resistance • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 operating frequency maximum	protection class IP	
shock resistance acc. to IEC 60068-2-27 bfor railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 bfor railway applications acc. to DIN EN 61373 category 1, Class B 10 500 Hz: 5g bfor railway applications acc. to DIN EN 61373 category 1, Class B 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 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 formal current omage of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts of old-plated number of NC contacts for auxiliary contacts of old-plated	 of the enclosure 	IP40
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 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 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 foperating voltage at DC rated value foperating voltage at DC rated value fone 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 O	of the terminal	IP20, clamping screw tightened
of railway applications acc. to DIN EN 61373 vibration resistance oac. 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 electrical endurance (switching cycles) typical 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 — at 60 Hz rated value operating voltage at DC rated value	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 10 000 000 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 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 0	• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
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 10 000 000 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	 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 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 0	• 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 0	 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 0	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 number of NC contacts for auxiliary contacts 0	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 operating voltage 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 number of NC contacts for auxiliary contacts	electrical endurance (switching cycles) typical	10 000 000
ontinuous 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 0	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 number of NC contacts for auxiliary contacts 0	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 Gold-plated number of NC contacts for auxiliary contacts 0	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 Gold-plated number of NC contacts for auxiliary contacts 0	 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 number of NC contacts for auxiliary contacts 0 	— 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 0	— 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 0	 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 0	Power Electronics	
design of the contact of auxiliary contacts Gold-plated number of NC contacts for auxiliary contacts 0	contact reliability	
number of NC contacts for auxiliary contacts 0	Auxiliary circuit	
	design of the contact of auxiliary contacts	Gold-plated
• lagging switching 0	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	C A
• 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	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	
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	15 00 70, 110 condendation in operation permitted)
fastening method	front panel mounting
of modules and accessories	Front plate mounting
height	34 mm
width	9.8 mm
depth	49.7 mm
Certificates/ approvals	TV./
General Product Approval	













<u>KC</u>





Miscellaneous



Miscellaneous

Declaration of Conformity

Test Certificates

Marine / Shipping

Miscellaneous

Miscellaneous



Special Test Certificate Type Test
Certificates/Test
Report



Marine / Shipping













other

Confirmation

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=3SU1400-1AA10-1NA0

Cax online generator

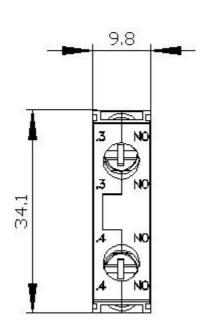
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1NA0

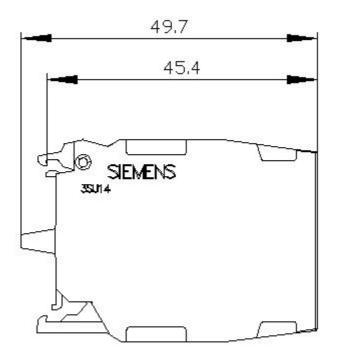
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

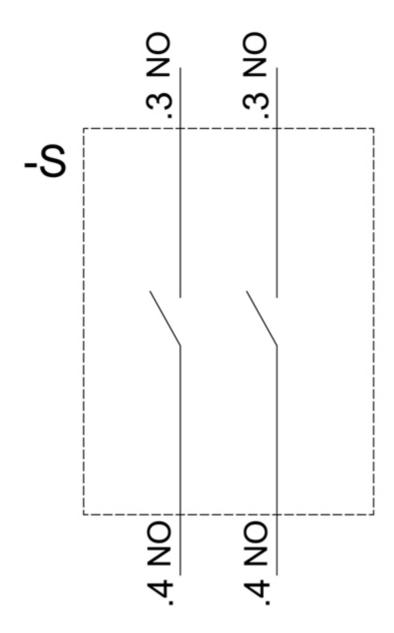
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1NA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1NA0&lang=en







last modified: 12/16/2020 ☑