3SU1400-1AA10-1BA0

Data sheet



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

product type designation Contact module contact block/ lampholder socket design other Central technical data One General technical data No insulation voltage rated value 500 V degree of pollution 3 type of voltage AC/DC of the operating voltage AC/DC surge voltage resistance rated value 6 kV of the enclosure IP40 of the enclosure IP40 of the terminal IP20 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms stor rallway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 10 500 Hz.: 5g of for rallway 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 electrical endurance (operating cycles) typical 10 00 000 descripting voltage <	product brand name	SIRIUS ACT
Socket design other 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 operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP of the enclosure IP40 of the enclosure IP40 of the enclosure IP40 of the terminal IP20 shock resistance according to IEC 60068-2-77 sinusoidal half-wave 15g / 11 ms Category 1, Class B vibration resistance according to IEC 60068-2-8 10500 Hz. 5g for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-8 10500 Hz. 5g operating frequency maximum 3 600 Hz. 1000 000 celectrical endurance (operating cycles) typical 10000 000 electrical endurance (operating cycles) typical 10000 000 reference code according to IEC 81348-2 S continuous current of the C characteristic MCB 10 A reference code according to IEC 81348-2 S continuous current of the C characteristic MCB 10 A substance Prohibitance (Date) 10/01/2014 operating voltage 1 Since Sinc	product designation	Contact module
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Central technical data product function positive opening	Contact block/ lampholder	
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 **of the input voltage AC/DC **of the enclosure IP4 **of the enclosure IP20 **of the enclosure IP20 **of the enclosure IP20 **of the terminal IP20 **shock resistance** **according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms **of rallway applications according to EN 61373 Category 1, Class B **Uibration resistance** **according to IEC 60068-2-6 10 500 Hz: 5g **of rallway applications according to EN 61373 Category 1, Class B **operating frequency maximum 3 6001 /h **operating frequency maximum 3 6001 /h **operating frequency maximum 10 000 000 **electrical endurance (operating cycles) typical 10 000 000 **electrical endurance (operating cycles) typical 10 000 000 **thermal current 10 A	socket design	other
Insulation voltage rated value	General technical data	
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of the input voltage surge voltage resistance rated value protection class IP of the enclosure of the terminal in P20 shock resistance octroing to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance occording to IEC 60068-2-6 of or railway applications according to EN 61373 vibration resistance occording to IEC 60068-2-6 occording to IEC 61373 occording to IEC 60068-2-6 occording to IEC 60068-2-6 occording to IEC 60068-2-6 occording to IEC 60068-2-7 occording to IEC 60068-2-8 occording to IEC 60068-2-8 occording to IEC 60068-2-8 occording to IEC 60068-2-7 occording to IEC 60068-2-9	type of voltage	
surge voltage resistance rated value protection class IP of the enclosure of the terminal iP20 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms Category 1, Class B vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 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 thermal current 10 A reference code according to IEC 81346-2 Sountinuous 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 DC rated value 5 500 V e at DC rated value 5 500 V Power Electronics contact reliability Cne maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (6 V, 1 mA) Auxiliary circuit design of the contact of auxiliary contacts Silver alloy	 of the operating voltage 	AC/DC
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• for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical thermal current reference code according 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 rat	shock resistance	
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• for railway applications according to EN 61373 operating frequency maximum	vibration resistance	
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mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical thermal current 10 000 000 thermal current 10 A reference code according to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) 10/01/2014 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	 for railway applications according to EN 61373 	Category 1, Class B
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reference code according 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 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	electrical endurance (operating cycles) typical	10 000 000
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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 according to IEC 81346-2	S
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— 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
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 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
(5 V, 1 mÅ) 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	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	1A
• at 400 V rated value	0.3 A
• at 500 V rated value	0.3 A
operational current at DC-13	0.5 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	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)
for 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
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)
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
Certificates/ approvals	
General Product Approval	



Confirmation







<u>KC</u>







Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other

Environment







Confirmation

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1400-1AA10-1BA0

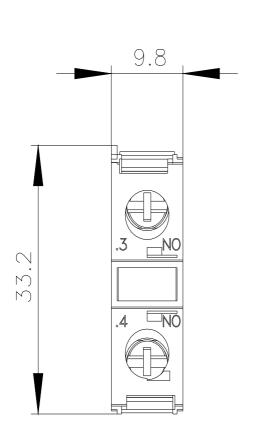
Cax online generator

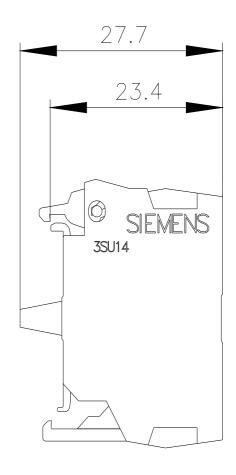
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1400-1AA10-1BA0}$

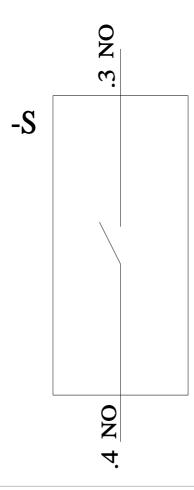
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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







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