3SU1400-1AA10-3LA0

Data sheet



Contact module with 1 contact element, 1 NO, gold-plated contacts, spring-type terminal, for front plate mounting $\,$

Product designation Sull	product brand name	SIRIUS ACT
Contact block/ lampholder Other General tochnical data Fooduce function positive opening 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 protection class IP IP40 of the enclosure IP40 of the enclosure IP40 of the reminal IP20 shock resistance according to IEC 60068-2-7 sinusoldal half-wave 15g / 11 ms to rallway applications according to EN 61373 Category 1, Class B vibration resistance 10500 Hz: 5g Category 1, Class B operating frequency maximum 3 600 Hz: 5g Category 1, Class B operating frequency maximum 3 600 Hz: 5g Category 1, Class B operating frequency maximum 3 600 Hz: 5g Category 1, Class B operating requency maximum 3 600 Hz: 5g Category 1, Class B operating the quency maximum 3 600 Hz: 5g Category 1, Class B operating the quency maximum	product designation	Contact module
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 6kV protection class IP	product type designation	3SU1
Central technical data product function positive opening	Contact block/ lampholder	
product function positive opening Insulation voltage rated value degree of pollution 3 of the operating voltage of the enclosure of the enclosure of the enclosure of the terminal shock resistance occording to IEC 60068-2-27 of railway applications according to EN 61373 category 1, Class B Vibration resistance occording to IEC 60068-2-6 operating frequency maximum 3 6001/h mechanical service life (operating cycles) typical electrical endurance (op	socket design	other
Insulation voltage rated value	General technical data	
degree of pollution type of voltage of the operating voltage of the operating voltage AC/DC surge voltage resistance rated value of the enclosure of the enclosure of the terminal IP20 shock resistance according to IEC 60068-2-7 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-8 of or railway applications according to EN 61373 vibration resistance of railway applications according to EN 61373 Category 1, Class B vibration resistance of railway applications according to EN 61373 Category 1, Class B vibration resistance of railway applications according to EN 61373 Category 1, Class B vibration resistance 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) 0 perating voltage operating voltage operating voltage ot AC - at 50 Hz rated value 5 500 V - at 60 Hz rated value ot 10 C rated	product function positive opening	No
type of voltage	insulation voltage rated value	500 V
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of the input voltage surge voltage resistance rated value protection class IP of the enclosure of the terminal in IP40 shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-6 of or 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 in 0 000 000 thermal current 10 A reference code according to IEC 81346-2 Scontinuous current of the C characteristic MCB 10 A Substance Prohibitance (Date) operating voltage at AC — at 50 Hz rated value — at 60 Hz rated val	type of voltage	
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of the terminal 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	protection class IP	
shock resistance according to IEC 60068-2-27 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 10 500 Hz: 59 for railway applications according to EN 61373 category 1, Class B containing frequency maximum 3 600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical 10 000 000 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 AC at 50 Hz rated value 5 500 V at DC rated value 5 500 V ot at DC rated value 5 500 V To me 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	 of the enclosure 	IP40
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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 10 A 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 50 Hz rated value • at Dc rated value • at	shock resistance	
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• for railway applications according to EN 61373 Operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical 10 000 000 thermal current 10 A reference code according to IEC 81346-2 continuous current of the C characteristic MCB Substance Prohibitance (Date) operating voltage • at AC	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) 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 Gold-plated	 for railway applications according to EN 61373 	Category 1, Class B
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 rated value • 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 Gold-plated	operating frequency maximum	3 600 1/h
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 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 Gold-plated	mechanical service life (operating cycles) typical	10 000 000
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 Gold-plated	electrical endurance (operating cycles) typical	10 000 000
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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 Gold-plated	Substance Prohibitance (Date)	10/01/2014
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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 Gold-plated	• 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 Gold-plated	— 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 Gold-plated	— 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 Gold-plated	 at DC rated value 	5 500 V
Auxiliary circuit design of the contact of auxiliary contacts Gold-plated	Power Electronics	
design of the contact of auxiliary contacts Gold-plated	contact reliability	
	Auxiliary circuit	
number of NC contacts for auxiliary contacts	design of the contact of auxiliary contacts	Gold-plated
	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 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 at 500 V rated value	1.4 A
	1.4 A
operational current at DC-12	40.0
• 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)
• for AWG cables	2x (24 16)
Ambient conditions	24 (24 10)
ambient temperature	05
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	2370, no condendation in operation permitted)
	front plate mounting
fastening method of modules and accessories	front plate mounting
	Front plate mounting
height	36 mm
width	9.8 mm
depth	27.7 mm
suitability for integration	
plastic enclosure	Yes
metal enclosure	Yes
Certificates/ approvals	
General Product Approval	Declaration of Co



Confirmation



<u>KC</u>





Declaration of Conformity

Test Certificates

Marine / Shipping



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=3SU1400-1AA10-3LA0

Cax online generator

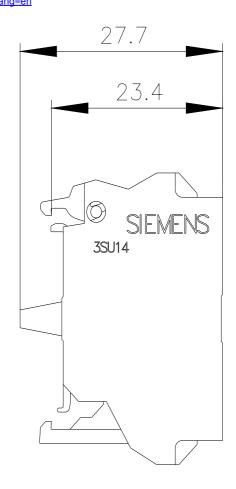
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3LA0

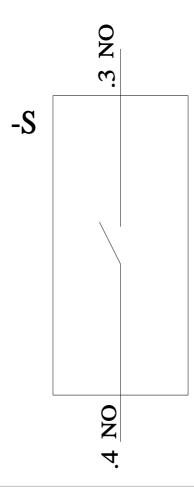
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3LA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3LA0&lang=en

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