3SU1400-2AA10-1BA0

Data sheet



Contact module with 1 contact element, 1 NO, screw-type terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof

design of the contact of auxiliary contacts Silver alloy	product brand name	SIRIUS ACT
Socket design other socket design No insulation voltage rated value 500 V degree of pollution yottage of the operating voltage of the operating voltage of the operating voltage of the operating voltage of the input voltage rated value 6kV protection class IP of the enclosure IP40 of the terminal IP20 shock resistance according to IEC 60068-2-77 of ror railway applications according to EN 61373 vibration resistance according to IEC 60068-2-8 of ror railway applications according to EN 61373 operating frequency maximum 3 500 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical clectrical endurance (operating cycles) typical voltage electrical endurance (Operating Chale) operating frequency maximum 10 A eference code according to IEC 81346-2 S continuous current of the C characteristic MCB 10 A substance Prohibitance (Date) 10 00 00 00 operating voltage of at AC at 50 Hz rated value 5 500 V at 10 C rated value 7 500 V at 10 C rated value 7 500 V at 10 C rated value 7 500 V at 10 C rated value 8 500 V at 10 C rated value 9	product designation	Contact module
Socket design Other	product type designation	3SU1
Control 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 AC/DC of the operating voltage AC/DC of the input voltage AC/DC of the input voltage AC/DC of the input voltage AC/DC of the enclosure February of the enclosure February of the enclosure February of the enclosure February of the terminal February for railway applications according to EN 61373 Category 1, Class B Vibration resistance oe according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms operating frequency maximum 3 6001 f/h mechanical service Iffe operating cycles typical electrical endurance (operating cycles) typical 10 000 000 electrical endurance (operating cycles) typical 10 000 000 electrical endurance (operating cycles) typical 10 A electrical endurance (operating cycles) typical 10 A electrical endurance (Date) 10 A Substance Prohibitance (Date) 10 A Substance Prohibitance (Date) 10 A electrical endurance	socket design	other
Insulation voltage rated value 500 V	General technical data	
degree of pollution type of voltage of the operating voltage of the input 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 60068-2-6 operating frequency maximum operating frequency maximum operating frequency maximum according to IEC 81346-2 selectrical endurance (operating cycles) typical electrical endurance (operating cycles) typical thermal current 10 A Substance Prohibitance (Date) operating roytage at AC — at 50 Hz rated value at C are so on the contact of auxiliary contacts contact reliability One 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 Silver alloy	product function positive opening	No
type of voltage of the operating voltage of the input voltage AC/DC surge voltage resistance rated value of the enclosure of the enclosure of the terminal IP20 **The enclosure of the enclosure of the terminal IP20 **The enclosure of the terminal IP20 **The enclosure of the enclosure of the terminal IP20 **The enclosure of the enclosure of the terminal IP20 **The enclosure of the enclosure o	insulation voltage rated value	500 V
of the operating voltage of the input voltage surge voltage resistance rated value of the enclosure of the enclosure of the terminal shock resistance according to IEC 60068-2-27 of railway applications according to EN 61373 category 1, Class B vibration resistance according to IEC 60068-2-6 of railway applications according to EN 61373 category 1, Class B vibration resistance ocor 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 reference code according to IEC 81346-2 scontinuous current of the C characteristic MCB substance Prohibitance (Date) operating voltage	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 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 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B vibration resistance 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 thermal current 10 A reference code according 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 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 operating 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 10 A reference code according to IEC 81346-2 Sontinuous 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 60 Hz rated value 5 500 V 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
protection class IP of the enclosure of the enclosure of the terminal 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 of or railway applications according to EN 61373 category 1, Class B vibration resistance of or railway applications according to EN 61373 category 1, Class B operating frequency maximum a 3 600 1/h mechanical service life (operating cycles) typical delectrical endurance (operating cycles) typical electrical endurance (operating cycles) typical delectrical endurance (operating cycles) typical electrical endurance (operating cycles) typical freference 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 5 500 V at 60 Hz rated value 5 500 V at DC rated value 5 500 V at DC rated value 5 500 V one 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 input voltage	AC/DC
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of the terminal IP20 shock 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 operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical electrical endurance (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 scontinuous current of the C characteristic MCB 10 A 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 out at DC rated value 5 500 V 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	 of the enclosure 	IP40
* 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 operating frequency maximum * 3 600 1/h mechanical service life (operating cycles) typical * electrical endurance (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 * 3	of the terminal	IP20
• 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	
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 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 1 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	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
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 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 at DC rated value one an analogeration 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
• for railway applications according to EN 61373 operating frequency maximum	vibration resistance	
operating frequency maximum mechanical service life (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 60 Hz rated value • at DC rated value • at DC 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 Silver alloy	according to IEC 60068-2-6	10 500 Hz: 5g
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
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 Silver alloy	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 • 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	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 Silver alloy	electrical endurance (operating 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 • at DC 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	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 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
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	continuous current of the C characteristic MCB	10 A
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	Substance Prohibitance (Date)	10/01/2014
- 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
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 No contacts for auxiliary contacts	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 40 V rated value at 110 V rated value	2.5 A
at 110 V rated value at 230 V rated value	2.5 A 1 A
at 250 V rated value 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)
• 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	3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10
60721	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
suitability for integration	
suitability for integrationplastic enclosure	Yes
	Yes Yes
plastic enclosure	



Confirmation







<u>KC</u>

General Product Approval

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=3SU1400-2AA10-1BA0

Cax online generator

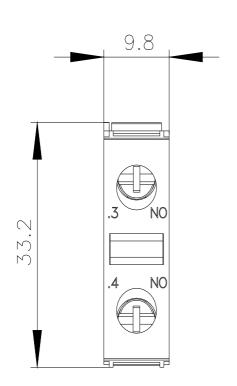
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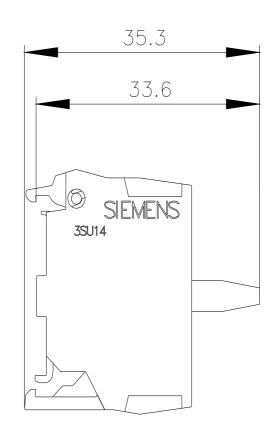
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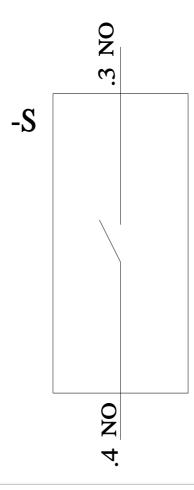
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2AA10-1BA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2AA10-1BA0&lang=en







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