3SU1400-3AA10-5BA0

Data sheet



Contact module with 1 contact element, 1 NO, soldered connection, for use on printed circuit boards

Description	product brand name	SIRIUS ACT	
Contact block/ lampholder socket design General technical data product function positive opening insulation voltage rated value 250 V degree of pollution 3 type of voltage of the operating voltage of the input voltage of the input voltage AC/DC surge voltage resistance rated value 4 kV protection class IP of the enclosure of the terminal IP00 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 category 1, Cl	product designation	Contact module	
socket design other General technical data product function positive opening No insulation voltage rated value 250 V degree of pollution 3 type of voltage	product type designation	3SU1	
General technical data product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage of the input voltage of the input voltage 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 operating frequency maximum according frequency maximum according frequency maximum according frequency maximum according to IEC 60068-2 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) at AC — at 50 Hz rated value at C rede value at DC rated value a	Contact block/ lampholder		
product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage of the operating voltage of the input voltage AC/DC surge voltage resistance rated value the enclosure of the enclosure of the terminal IP00 shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 Vibration resistance according to IEC 60068-2-6 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 according to IEC 60068-2-6 of railway applications according to EN 61373 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 Scontinuous current of the C characteristic MCB 10 A Substance Prohibitance (Date) operating voltage at AC — at 50 Hz rated value at CC — at 50 Hz rated value at CC rated value for the maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million	socket design	other	
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of the terminal 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	protection class IP		
shock resistance according to IEC 60068-2-27 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 vibration resistance 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 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 5 240 V at DC rated value 5 240 V one maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million	 of the enclosure 	IP40	
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	 for railway applications according to EN 61373 	Category 1, Class B	
• for railway applications according to EN 61373 Operating frequency maximum	vibration resistance		
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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 5 240 V • at DC rated value • at DC rated value 5 250 V Power Electronics contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million	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 • at DC rated value • at DC rated value 5 240 V • at DC rated value 5 250 V Power Electronics contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million	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 5 240 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	thermal current	10 A	
Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value 5 240 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	reference code according to IEC 81346-2	S	
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 at AC at 50 Hz rated value at 60 Hz rated value at DC rated value at DC rated value 250 V Power Electronics contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million 	Substance Prohibitance (Date)	10/01/2014	
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 — at 60 Hz rated value 5 240 V • at DC rated value 5 250 V Power Electronics contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million 	• at AC		
• at DC rated value 5 250 V Power Electronics contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million	— at 50 Hz rated value	5 240 V	
Power Electronics contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million	— at 60 Hz rated value	5 240 V	
contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million	 at DC rated value 	5 250 V	
	Power Electronics		
(5 V, 1 IIIA)	contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)	
Auxiliary circuit	Auxiliary circuit		
design of the contact of auxiliary contacts Silver alloy	design of the contact of auxiliary contacts	Silver alloy	
number of NC 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	10 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	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	
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	
Connections/ Terminals		
type of electrical connection	Socket connection (THT)	
mbient 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)	
Environmental footprint		
Environmental Product Declaration(EPD)	Yes	
Global Warming Potential [CO2 eq] total	0.787 kg	
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg	
Global Warming Potential [CO2 eq] during operation	0.235 kg	
global warming potential [CO2 eq] after end of life	-0.015 kg	
nstallation/ mounting/ dimensions		
fastening method	Printed circuit board	
of modules and accessories	Printed circuit board	
height	18.5 mm	
width	7.6 mm	
depth	16.2 mm	
suitability for integration		
plastic enclosure	No	
metal enclosure	No	
type of soldering method	Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts	
parameter of the soldering method	Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin	
soldering point quality according to IPC A-610	Class 2	
pprovals Certificates		
General Product Approval Declaration of Conformity		
Confirmation KC	EFIE CE UK	

Test Certificates Marine / Shipping

Special Test Certificate









other E	Environment
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<u>Confirmation</u> <u>Environmental Confirmations</u>

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=3SU1400-3AA10-5BA0

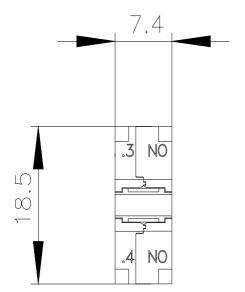
Cax online generator

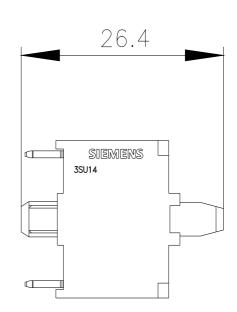
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

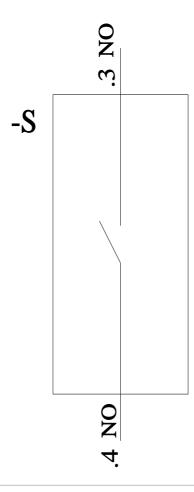
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-3AA10-5BA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-3AA10-5BA0&lang=en







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