SIEMENS

Data sheet 3SU1400-3AA10-5BA0

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

product brand name	SIRIUS ACT
product designation	Contact module
product type designation	3SU1
Contact block/ lampholder	
socket design	other
General technical data	
product function positive opening	No
insulation voltage rated value	250 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	4 kV
protection class IP	
● of the enclosure	IP40
● of the terminal	IP00
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	
● **according to IEC 60068-2-6**	10 ... 500 Hz: 5g
● 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
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)	10/01/2014
operating voltage	
● at AC	
— at 50 Hz rated value	5 ... 240 V
— 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 (5 V, 1 mA)
Auxiliary circuit	
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	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)
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)
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
Installation/ 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

Approvals Certificates

General Product Approval				Declaration of Conformity	
Confirmation		KC			

Test Certificates	Marine / Shipping

Type Test Certificates/Test Report	Special Test Certificate

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

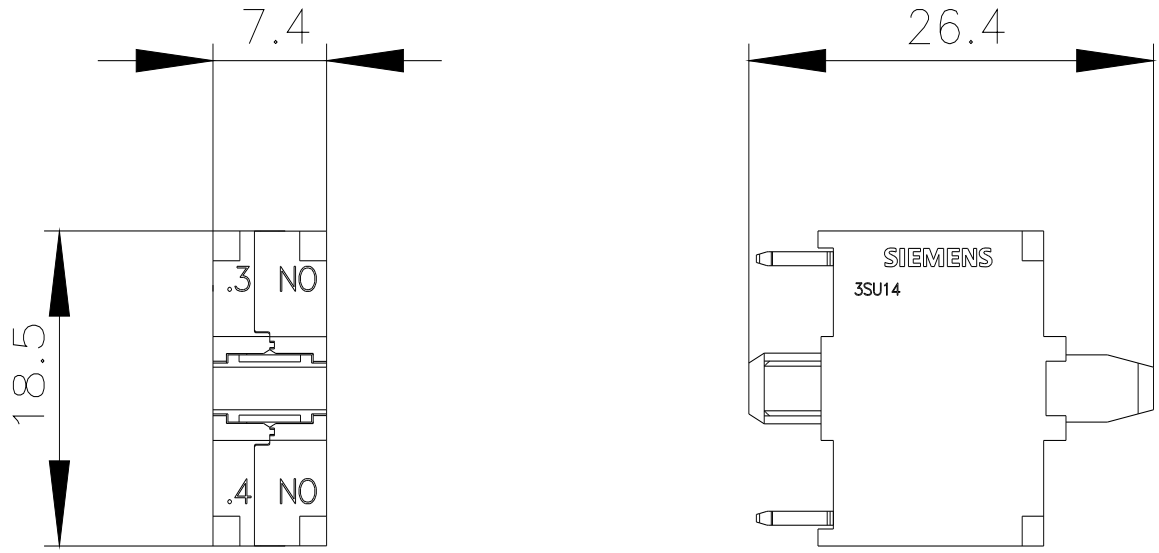
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10

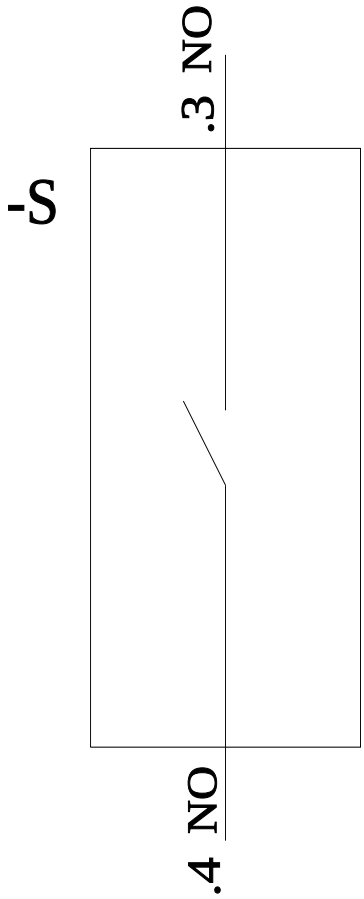
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-3AA10-5BA0

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-3AA10-5BA0

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





last modified: 11/8/2023