



Contact module with 2 contact elements, 1 NO leading + 1 NC lagging, spring-type terminal, for front plate mounting



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	Yes
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	6 kV
protection class IP	
• of the enclosure	IP40
• of the terminal	IP20
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
Weight	16 g
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	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	1	
• lagging switching	1	
number of NO contacts for auxiliary contacts	1	
• leading contact	1	
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	6 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	
• 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	
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 mm ²)	
• finely stranded with core end processing	2x (0.25 ... 0.75 mm ²)	
• finely stranded without core end processing	2x (0.25 ... 1.5 mm ²)	
• for AWG cables	2x (24 ... 16)	
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 [CO ₂ eq] total	0.787 kg	
global warming potential [CO ₂ eq] during manufacturing	0.566 kg	
global warming potential [CO ₂ eq] during operation	0.235 kg	
global warming potential [CO ₂ eq] after end of life	-0.015 kg	
Siemens Eco Profile (SEP)	Siemens EcoTech	
Installation/ mounting/ dimensions		
fastening method	front plate mounting	
• of modules and accessories	Front plate mounting	
height	36 mm	
width	9.8 mm	
depth	49.7 mm	
suitability for integration		
• plastic enclosure	No	
• metal enclosure	No	
Approvals Certificates		



[KC](#)



Test Certificates

Maritime application

other

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



[Confirmation](#)

Environment



Siemens
EcoTech



[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1400-1AA10-3GA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3GA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3GA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3GA0&lang=en



