

Siemens
EcoTech



Contact module with 1 contact element, 1 NC, Contact for installation monitoring, screw 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, clamping screw tightened
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
Net Weight	18 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	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

<ul style="list-style-type: none"> • at 230 V rated value • at 400 V rated value 	8 A 6 A
operational current at AC-15	
<ul style="list-style-type: none"> • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value • at 400 V rated value • at 500 V rated value 	6 A 6 A 6 A 4 A 3 A 1.4 A
operational current at DC-12	
<ul style="list-style-type: none"> • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value • at 400 V rated value • at 500 V rated value 	10 A 5 A 2.5 A 0.3 A 0.3 A 0.2 A
operational current at DC-13	
<ul style="list-style-type: none"> • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value • at 400 V rated value • at 500 V rated value 	3 A 1.5 A 0.6 A 0.3 A 0.1 A 0.1 A
Connections/ Terminals	
type of electrical connection	screw terminal
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • for AWG cables 	2x (0.5 ... 0.75 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (0.5 ... 1.5 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (18 ... 14)
tightening torque with screw-type terminals	0.8 ... 0.9 N·m
Ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-25 ... +70 °C -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	
fastening method	front plate mounting
<ul style="list-style-type: none"> • of modules and accessories 	Front plate mounting
height	34 mm
width	9.8 mm
depth	49.7 mm
suitability for integration	
<ul style="list-style-type: none"> • plastic enclosure • metal enclosure 	Yes Yes
Approvals Certificates	
Environmental Product Declaration	
<ul style="list-style-type: none"> • global warming potential [CO₂ eq] / during manufacturing • global warming potential [CO₂ eq] / during operation • global warming potential [CO₂ eq] / after end of life • global warming potential [CO₂ eq] / total 	0.566 kg 0.235 kg -0.0145 kg 0.787 kg
Environment	General Product Approval







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[Environmental Con-
firmations](#)



General Product Approval	Test Certificates	Maritime application
  	Type Test Certificates/Test Report Special Test Certificate	

Maritime application	other
 	 Confirmation

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=3SU1400-1AA10-1HA0>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1HA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1HA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1HA0&lang=en

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