SIEMENS

Data sheet



Contact module with 1 contact element, 1 NC, spring-type terminal, for floor mounting, Z=150-unit packaging

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 (switching cycles) typical	10 000 000
electrical endurance (switching 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	5 500 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	0
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 110 V rated value	2.5 A
at 230 V rated value	1 A
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 10 V rated value	0.7 A
at 230 V rated value	0.3 A
at 400 V rated value	0.3 A
at 500 V rated value at 500 V rated value	0.1 A
Connections/ Terminals	0.1 A
type of electrical connection	spring-loaded terminals
type of electrical conflection	Spring-loaded terminals
	2v (0.25 1.5 mm²)
solid without core end processing finally stranded with ears and processing	2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²)
finely stranded with core end processing	· · · · · · · · · · · · · · · · · · ·
finely stranded without core end processing	2x (0.25 1.5 mm²)
at AWG cables	2x (24 16)
Ambient conditions	
ambient temperature	05 +70 °0
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)
Installation/ mounting/ dimensions	
fastening method	floor mounting
of modules and accessories	Floor mounting
height	36 mm
width	9.8 mm
depth	27.7 mm
suitability for integration	
plastic enclosure	Yes
metal enclosure	Yes
Certificates/ approvals	
Further information	
Information- and Downloadcenter (Catalogs, Brochures,	<u> </u>
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https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-2AA10-3CA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2AA10-3CA0-Z X90

•	cates, Characteristics, FAQs,) cs/ww/en/ps/3SU1400-2AA10-3CA0-Z X90 D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)
http://www.automation.siemens.com/l	bilddb/cax_de.aspx?mlfb=3SU1400-2AA10-3CA0-Z X90⟨=en
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