SIEMENS

Data sheet



Contact module with 1 contact element, 1 NC, Contact for installation monitoring, spring-type terminal, for front plate 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 	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
at 110 V rated value	2.5 A
at 230 V rated value	0.3 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	0.6 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	U.TA
type of electrical connection	spring-loaded terminals
type of connectable conductor cross-sections	opining loaded terminals
solid without core end processing	2x (0.25 1.5 mm²)
finely stranded with core end processing	2x (0.25 1.3 mm²) 2x (0.25 0.75 mm²)
finely stranded with core end processing finely stranded without core end processing	2x (0.25 0.75 hilli) 2x (0.25 1.5 mm²)
at AWG cables	2x (0.23 1.3 mm) 2x (24 16)
Ambient conditions	27 (27 10)
ambient temperatureduring operation	-25 +70 °C
	-25 +70 °C
during storage approximatel category during operation according to IEC.	
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
of modules and accessories	Front plate mounting
height	36 mm
width	9.8 mm
depth	49.7 mm
suitability for integration	10.7 111111
plastic enclosure	Yes
metal enclosure	Yes
	100
Certificates/ approvals	
Further information	
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=3SU1400-1AA10-3HA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3HA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3HA0-Z X90

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3HA0-Z X90&lang=en

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