SIEMENS

Data sheet 3SE5000-0KA00



Switching element for position switch 3SE51/52 1 NO/2 NC slow-action contact

product type designation contact product type designation 3SE5 General technical data product function positive opening Yes insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IPD0 shock resistance * according to IEC 60068-2-27 30g / 11 ms vibration resistance * according to IEC 60068-2-27 30g / 11 ms vibration resistance * according to IEC 60068-2-27 30g / 11 ms vibration resistance * according to IEC 60068-2-27 15 000 000 electrical endurance (operating cycles) typical 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A	product brand name	SIRIUS		
General technical data product function positive opening	product designation	contact		
product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP flep0 shock resistance according to IEC 60068-2-27 30g / 11 ms vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A reference code according to IEC 81346-2 S continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor Ambient conditions ambient temperature during operation - during storage - 40 +90 °C explosion protection category for dust operating frequency rated value - at 240 V rated value - at 125 V rated value - at 240 V rated value - at 340 V rated value - at 240 V rated value - at 340 V rated value - at 400 V rated value	product type designation	3SE5		
insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP PD0 shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 scontinuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the puick DIAZED fuse link G active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor 25 mm Ambient conditions ambient temperature • during operation • during storage • 40 +90 °C explosion protection category for dust operating frequency rated value number of NC contacts for auxiliary contacts operational current at AC-15 • at 24 V rated value • at 240 V rated value	General technical data			
degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IPO shock resistance • according to IEC 60068-2-27 30g / 11 ms vibration resistance • according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 15 000 000 thermal current 10 A reference code according to IEC 81346-2 S Continuous current of the C characteristic MCB 1A; for a short-circuit current smaller than 400 A Continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A Continuous current of the DIAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) 07/01/2006 width of the sensor 25 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 1 operational current at AC-15 • at 24 V rated value 6 A • at 240 V rated value 6 A • at 4200 V rated value 6 A • at 4400 V rated value 6 A	product function positive opening	Yes		
surge voltage resistance rated value protection class IP shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A reference code according to IEC 81346-2 S continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the UnixED fuse link gG 6 A active principle repeat accuracy Substance Prohibitance (Date) width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust operating requency rated value nometry of NC contacts for auxiliary contacts 1 coperational current at AC-15 • at 24 V rated value • at 400 V rated value • at 4400 V rated value	insulation voltage rated value	400 V		
protection class IP IP00 shock resistance	degree of pollution	class 3		
shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link G active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor Ambient conditions ambient temperature during operation -25 +85 °C 40 +90 °C explosion protection category for dust operating frequency rated value operating frequency rated value for AC-15 at 240 V rated value at 400 V rated value	surge voltage resistance rated value	6 kV		
according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 S continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link Continuous current of the quick DIAZED fuse link Continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor Ambient conditions ambient temperature during operation during operation evaluation operating frequency rated value operating frequency rated value number of NC contacts for auxiliary contacts 1 operational current at AC-15 at 24 V rated value at 400 V rated value at 440 V rated value	protection class IP	IP00		
vibration resistance • according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A reference code according to IEC 81346-2 s continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the puick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) 07/01/2006 width of the sensor 25 mm Ambient temperature • during operation • during storage 40 +90 °C explosion protection category for dust operating frequency rated value 50 60 Hz number of NC contacts for auxillary contacts 1 operational current at AC-15 • at 24 V rated value • at 240 V rated value	shock resistance			
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mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A reference code according to IEC 81346-2 S continuous current of the C characteristic MCB 11 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor 25 mm Ambient conditions ambient temperature during operation during storage explosion protection category for dust operating frequency rated value operating frequency rated value 10 A operational current at AC-15 at 24 V rated value at 240 V rated value at 240 V rated value at 240 V rated value AA operational current at DC-13	vibration resistance			
electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A reference code according to IEC 81346-2 S continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) 07/01/2006 width of the sensor 25 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 24 V rated value 6 A • at 125 V rated value 6 A • at 240 V rated value 6 A • at 400 V rated value 4 A operational current at DC-13	according to IEC 60068-2-6	0.35 mm/5g		
thermal current thermal current treference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link to A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor 25 mm Ambient conditions ambient temperature during operation during storage value explosion protection category for dust operating frequency rated value number of NC contacts for auxiliary contacts operational current at AC-15 at 24 V rated value at 125 V rated value at 240 V rated value at 400 V rated value operational current at DC-13	mechanical service life (operating cycles) typical	15 000 000		
reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust operating frequency rated value operating frequency rated value operational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 400 V rated value • at 240 V rated value • at 400 V rated value		100 000		
continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust none operating frequency rated value number of NC contacts for auxiliary contacts • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value operational current at DC-13	thermal current	10 A		
continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor 25 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust operating frequency rated value number of NC contacts for auxiliary contacts perational current at AC-15 • at 24 V rated value • at 240 V rated value • at 400 V rated value operational current at DC-13	reference code according to IEC 81346-2	S		
continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) 07/01/2006 width of the sensor 25 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 24 V rated value 6 A • at 240 V rated value 6 A • at 400 V rated value 4 A operational current at DC-13	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A		
active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) 07/01/2006 width of the sensor 25 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 24 V rated value 6 A • at 125 V rated value 6 A • at 240 V rated value 6 A • at 400 V rated value 4 A operational current at DC-13	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A		
repeat accuracy Substance Prohibitance (Date) width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust none operating frequency rated value number of NC contacts for auxiliary contacts perational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value operational current at DC-13	continuous current of the DIAZED fuse link gG	6 A		
Substance Prohibitance (Date) width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust operating frequency rated value number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 400 V rated value • 4 A	active principle	mechanical		
width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage • zerplosion protection category for dust operating frequency rated value number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • 4 A	repeat accuracy	0.1 mm		
ambient temperature • during operation • during storage • during storage • A0 +90 °C explosion protection category for dust operating frequency rated value number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value	Substance Prohibitance (Date)	07/01/2006		
ambient temperature • during operation • during storage • during storage • during storage • during storage • 25 +85 °C • during storage • 240 +90 °C explosion protection category for dust none operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value operational current at DC-13	width of the sensor	25 mm		
 during operation during storage during storage 40 +90 °C explosion protection category for dust none operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 operational current at AC-15 at 24 V rated value at 25 V rated value at 240 V r	Ambient conditions			
 during storage -40 +90 °C explosion protection category for dust none operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 1 operational current at AC-15 at 24 V rated value at 125 V rated value at 240 V rated value at 400 V rated value 	ambient temperature			
explosion protection category for dust operating frequency rated value number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value operational current at DC-13	during operation	-25 +85 °C		
operating frequency rated value number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value operational current at DC-13	during storage	-40 +90 °C		
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 400 V rated value operational current at DC-13	explosion protection category for dust	none		
number of NO contacts for auxiliary contacts operational current at AC-15 • at 24 V rated value • at 125 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value operational current at DC-13	operating frequency rated value	50 60 Hz		
operational current at AC-15	number of NC contacts for auxiliary contacts	2		
 at 24 V rated value at 125 V rated value at 240 V rated value at 240 V rated value at 400 V rated value at 400 V rated value at 400 V rated value 	number of NO contacts for auxiliary contacts	1		
 at 125 V rated value at 240 V rated value at 400 V rated value operational current at DC-13 	operational current at AC-15			
 at 240 V rated value at 400 V rated value 4 A operational current at DC-13	at 24 V rated value	6 A		
at 400 V rated value 4 A operational current at DC-13	• at 125 V rated value	6 A		
operational current at DC-13	• at 240 V rated value	6 A		
	at 400 V rated value	4 A		
• at 24 V rated value 3 A	operational current at DC-13			
	at 24 V rated value	3 A		

• at 125 V rated value	0.55 A		
• at 250 V rated value	0.27 A		
• at 400 V rated value	0.12 A		
Enclosure			
coating of the enclosure	Other types		
Drive Head			
design of the switching function	positive opening		
circuit principle	slow-action contacts		
number of switching contacts safety-related	2		
Installation/ mounting/ dimensions			
mounting position	any		
fastening method	snap-on mounting		
Connections/ Terminals			
type of electrical connection	screw-type terminals		
type of connectable conductor cross-sections			
• solid	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)		
 finely stranded with core end processing 	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)		
 for AWG cables solid 	1x (20 16), 2x (20 18)		
for AWG cables stranded	1x (20 16), 2x (20 18)		
design of the interface for safety-related communication	without		
Communication/ Protocol			
design of the interface	without		
Certificates/ approvals	Certificates/ approvals		

General Product Approval





Confirmation



<u>KC</u>



Functional Safety/Safety of Ma- chinery Declaration of Conformity	Test Certificates	other
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Type Examination Cer**tificate**





Type Test Certificates/Test Report

Confirmation

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=3SE5000-0KA00

Cax online generator

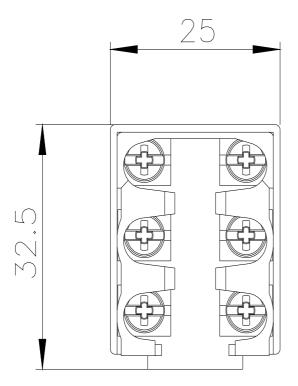
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SE5000-0KA00}$

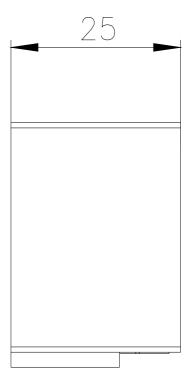
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SE5000-0KA00

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5000-0KA00&lang=en





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