SIEMENS

Data sheet 3SE5000-0LA00



Contact block for position switch 3SE51/52 1 NO/2 NC quick action contact

product function positive opening	product brand name	SIRIUS		
General technical data product function positive opening	product designation	contact		
product function positive opening	product type designation	3SE5		
insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP00 shock resistance	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 current 2 to AC-15 at 230 V typical current 5 the Characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G 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 4 during operation 25 mm 40 mne 40 mne 40 mne 40 mne 50 mne 60	product function positive opening	Yes		
surge voltage resistance rated value 6 kV protection class IP IP00 shock resistance	insulation voltage rated value	400 V		
protection class IP IP00 shock resistance	degree of pollution	class 3		
shock resistance a according to IEC 60068-2-27 30g / 11 ms vibration resistance a according to IEC 60068-2-6 0.35 mm/5g 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 plazeD fuse link gG 6 A active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor Arbient conditions ambient temperature during operation during storage 4 during storage 4 during storage explosion protection category for dust operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 0 et 24 V rated value 6 A at 24 V rated value 6 A at 24 V rated value 6 A et 24 V rated value 6 A et 24 V rated value 6 A	surge voltage resistance rated value	6 kV		
according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 0.35 mm/5g 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 pliazed link continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 0 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 0 A; for a short-circuit current smaller than 400 A continuous current and 400 A continuous current at 60 A explosion protection category 0 1 mm according to a short-circuit current smaller than 400 A continuous current and AC-15 explosion protection category for dust none operating frequency rated value explosion protection category for dust none operation category for dust none operation frequency rated value explosion protection category for dust none operation category of dust one of NC contacts for auxiliary contacts 1 operation category of AC cate	protection class IP	IP00		
vibration resistance	shock resistance			
eacording 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 DIAZED fuse link 6 A active principle repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor 25 mm Armbient temperature • during operation • during storage • during storage explosion protection category for dust none operating frequency rated value 10 A; for a short-circuit current smaller than 400 A 6 A continuous current of the QIAZED fuse link 6 A . +90 °C explosion protection category for dust none operating frequency rated value 10 A; for a short-circuit current smaller than 400 A 6 A e at 24 V rated value 6 A	 according to IEC 60068-2-27 	30g / 11 ms		
mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 typical 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 6 A continuous current of the DIAZED fuse link gG 6 A cattive 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 during storage 40 +90 °C explosion protection category for dust none operating frequency rated value 10 contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 1 operational current at AC-15 at 24 V rated value at 24 V rated value 6 A at 240 V rated value 6 A at 240 V rated value 6 A 6 A	vibration resistance			
electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link tontinuous current of the DIAZED fuse link gG continuous current of the DIAZED fuse link gG active principle repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor 25 mm Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust none operating frequency rated value soperational current at AC-15 • at 24 V rated value • at 125 V rated value • at 25 V rated value • at 240 V rated value	according to IEC 60068-2-6	0.35 mm/5g		
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 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 -40 +90 °C explosion protection category for dust none operating frequency rated value 10 contacts for auxiliary contacts 11 conditions 12 contacts for auxiliary contacts 0 eat 24 V rated value 10 c A 12 V rated value 10 c A 10	mechanical service life (operating cycles) typical	15 000 000		
reference code according to IEC 81346-2 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 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 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 125 V rated value • at 240 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 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 none operating frequency rated value number of NC contacts for auxiliary contacts • at 24 V rated value • at 25 V rated value • at 25 V rated value • at 240 V rated value	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 • at 24 V rated value • at 25 V rated value • at 25 V rated value • at 240 V rated value	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) vidth 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 125 V rated value • at 240 V rated value	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	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 • at 24 V rated value • at 125 V rated value • at 240 V rated value	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 • during requency for dust none 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	active principle	mechanical		
width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage • during requency rated value 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	repeat accuracy	0.1 mm		
ambient temperature • during operation • during storage • during storage • during frequency rated value 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 • 6 A	Substance Prohibitance (Date)	07/01/2006		
ambient temperature • during operation • during storage • consider the storage of the s	width of the sensor	25 mm		
 during operation 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 	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 6 A at 240 V rated value 6 A 	ambient temperature			
explosion protection category for dust operating frequency rated value so 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 125 V rated value • at 240 V rated value • at 240 V rated value • 6 A	 during operation 	-25 +85 °C		
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	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 6 A • at 240 V rated value 6 A	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 6 A • at 240 V rated value 6 A	operating frequency rated value	50 60 Hz		
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	number of NC contacts for auxiliary contacts	2		
 at 24 V rated value at 125 V rated value at 240 V rated value 6 A 6 A 6 A 	number of NO contacts for auxiliary contacts	1		
at 125 V rated value 6 A at 240 V rated value 6 A	operational current at AC-15			
• at 240 V rated value 6 A	• 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	at 400 V rated value	4 A		
operational current at DC-13	operational current at DC-13			
• at 24 V rated value 3 A	• 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	snap-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				

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=3SE5000-0LA00

Cax online generator

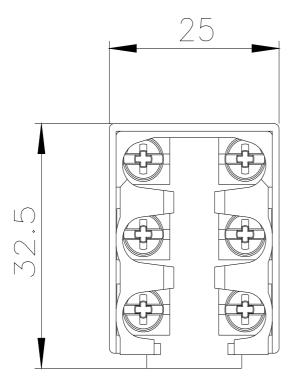
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5000-0LA00

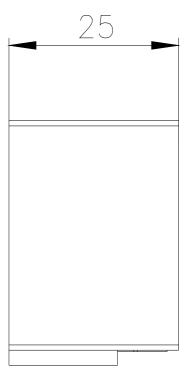
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SE5000-0LA00

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5000-0LA00&lang=en





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