SIEMENS

Data sheet

3SE5000-0GA00



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

product brand name SIRIUS product designation contact product type designation 3SE5 central technical data		
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 6kV protection class IP IP00 shock resistance 30g / 11 ms vibration resistance 0.35 mm/5g mechanical service life (switching cycles) typical 15 000 00 electrical endurance (switching cycles) at AC-15 at 230 V 100 000 typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, SRT1025 Upical 6 000 electrical endurance (switching cycles) topical 6 000 6 000 Electrical endurance (switching cycles) the contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, SRT1025, SRT	product brand name	SIRIUS
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 IP00 shock resistance 30g / 11 ms • according to IEC 60068-2-27 30g / 11 ms vibration resistance 0.35 mm/5g mechanical service life (switching cycles) typical 15 000 000 electrical endurance (switching cycles) at AC-15 at 220 V 100 000 lypical 16 000 000 electrical endurance (switching cycles) with contactor 3871026 typical electrical operating cycles in one hour with contactor 3871026 typical Electrical operating cycles in one hour with contactor 3871026 typical Electrical operating to IEC 81346-2 S continuous current of the C characteristic MCB 1 0,4; for a short-circuit current smaller than 400 A continuous current of the DiAZED fuse link gG 6 A continuous current of the DiAZED fuse link gG 6 A active principle mechanical repeat accuracy 0,1 mm Substance Prohibitance (Date) 25 mm	product designation	contact
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 IP00 shock resistance 6 kV • according to IEC 60068-2-27 30g / 11 ms vibration resistance 0.35 mm/5g • according to IEC 60068-2-61 0.35 mm/5g mechanical service life (switching cycles) typical 15 000 000 electrical endurance (switching cycles) at AC-15 at 230 V 100 000 lepticital endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1016, 3RT1016, 3RT1016, 3RT1016, 3RT1016, 3RT1016, 3RT1016, 3RT1016, 3RT1024, 3RT1025, 3RT1025, 3RT1026 6 000 shermal 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 10 A continuous current of the DIAZED fuse link gG 6 A active principile repat accuracy 0.1 nm 5060 Hz 10 nm Substance Prohibitance (Date) 07/01/2006 10 10 md width o	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 30g / 11 ms • according to IEC 60068-2-27 30g / 11 ms • ubration resistance 0.35 mm/5g • according to IEC 60068-2-6 0.35 mm/5g electrical endurance (switching cycles) typical 15 000 000 electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT10124, 3RT1024, 3RT1025, 3RT1025, 3RT1026 typical 10 0000 Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026 6 0000 sthermal current 10 A reference code according to IEC 81346-2 S continuous current of the Quick DIAZED fuse link 10 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 10 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 Quick DIAZED fuse link 10 A, for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 6 A	General technical data	
degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP00 shock resistance	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 30g / 11 ms • according to IEC 60068-2-27 30g / 11 ms vibration resistance 0.35 mm/5g • according to IEC 60068-2-6 0.35 mm/5g mechanical service life (switching cycles) typical 15 000 000 electrical endurance (switching cycles) with contactor 3871016, 3871017, 3871024, 3871025, 3871026 typical Electrical operating cycles in one hour with contactor 38RH1, 3871016, 3871017, 3871024, 3871025, 3871026 typical 6 000 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 Quize Diase link dG 6 A active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) 07/01/2006 width of the sensor 25 mm operating frequency rated value 6 A e at 24 V vated value 6 A	degree of pollution	class 3
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 (switching cycles) at AC-15 at 230 V typical 15 000 000 electrical endurance (switching cycles) at AC-15 at 230 V typical 10 0000 electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 10 0000 Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6 000 thermal current 10 A reference code according to IEC 81346-2 S continuous current of the C characteristic MCB 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 operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 1 operating al current at AC-15 6A e at 240 V rated value 6A e at 240 V rated value 6A e at 240 V rated value 6A	surge voltage resistance rated value	6 kV
• according to IEC 60068-2-27 30g / 11 ms vibration resistance 0.35 mm/5g mechanical service life (switching cycles) typical 15 000 000 electrical endurance (switching cycles) at AC-15 at 230 V 100 000 typical 100 000 electrical endurance (switching cycles) with contactor 3R111, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026 typical 5.87T1026 typical 6 000 fthermal 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 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 operating frequency rated value 6 A e at 24 V rated value 6 A e at 240 V rated value 6 A	protection class IP	IP00
vibration resistance 0.35 mm/5g mechanical service life (switching cycles) typical 15 000 000 electrical endurance (switching cycles) at AC-15 at 230 V 100 000 typical 100 000 electrical endurance (switching cycles) with contactor 3R11,3 RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 SR11,3 RR11016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6 000 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 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 operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 1 operational current at AC-15 6 A e at 24 V rated value 6 A e at 240 V rated value 6 A e at 240 V rated value 6 A e at 240 V rated	shock resistance	
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typicalelectrical endurance (switching cycles) with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical10 000 000Electrical operating cycles in one hour with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT10266 000thermal current10 Areference code according to IEC 81346-2Scontinuous current of the C characteristic MCB1 A; for a short-circuit current smaller than 400 Acontinuous current of the quick DIAZED fuse link10 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.1 mmSubstance Prohibitance (Date)07/01/2006width of the sensor25 mmoperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 25 V rated value6 A• at 24 V rated value6 A• at 400 V rated v	mechanical service life (switching cycles) typical	15 000 000
3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 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 QuALZED fuse link 10 A continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor 025 mm operating frequency rated value operating frequency rated value operational current at AC-15 e at 24 V rated value 6 A e at 240 V rated value 6 A e at 400 V rated value 6 A e at 400 V rated value 6 A e at 400 V rated value		100 000
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reference code according to IEC 81346-2Scontinuous current of the C characteristic MCB1 A; for a short-circuit current smaller than 400 Acontinuous current of the quick DIAZED fuse link10 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.1 mmSubstance Prohibitance (Date)07/01/2006width of the sensor25 mmoperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 240 V rated value6 A• at 400 V rated value6 A• at 400 V rated value4 Aoperational current at DC-134 A	3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,	6 000
continuous current of the C characteristic MCB1 A; for a short-circuit current smaller than 400 Acontinuous current of the quick DIAZED fuse link10 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.1 mmSubstance Prohibitance (Date)07/01/2006width of the sensor25 mmoperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 400 V rated value6 A	thermal current	10 A
continuous current of the quick DIAZED fuse link10 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.1 mmSubstance Prohibitance (Date)07/01/2006width of the sensor25 mmoperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 400 V rated value6 A• at 400 V rated value6 A• at 400 V rated value4 Aoperational current at DC-136 A	reference code according to IEC 81346-2	S
continuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.1 mmSubstance Prohibitance (Date)07/01/2006width of the sensor25 mmoperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 400 V rated value6 A• at 400 V rated value4 Aoperational current at DC-134 A	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
active principlemechanicalrepeat accuracy0.1 mmSubstance Prohibitance (Date)07/01/2006width of the sensor25 mmoperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 400 V rated value4 Aoperational current at DC-131	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
repeat accuracy0.1 mmSubstance Prohibitance (Date)07/01/2006width of the sensor25 mmoperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 400 V rated value6 A• at 400 V rated value6 A	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date)07/01/2006width of the sensor25 mmoperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 400 V rated value6 A• at 400 V rated value6 A	active principle	mechanical
width of the sensor25 mmoperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 25 V rated value6 A• at 240 V rated value6 A• at 400 V rated value4 Aoperational current at DC-134 DC-13	repeat accuracy	0.1 mm
operating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1operational current at AC-156 A• at 24 V rated value6 A• at 125 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 400 V rated value4 Aoperational current at DC-134 A	Substance Prohibitance (Date)	07/01/2006
number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 operational current at AC-15 1 • 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 1	width of the sensor	25 mm
number of NO contacts for auxiliary contacts 1 operational current at AC-15 6 • at 24 V rated value 6 A • at 125 V rated value 6 A • at 240 V rated value 6 A • at 240 V rated value 6 A • at 400 V rated value 6 A • at 400 V rated value 6 A	operating frequency rated value	50 60 Hz
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 • at 400 V rated value	number of NC contacts for auxiliary contacts	1
• 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	number of NO contacts for auxiliary contacts	1
• at 125 V rated value • at 240 V rated value • at 400 V rated value 4 A operational current at DC-13	operational current at AC-15	
at 240 V rated value 6 A 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 v	value.	() 55 A			
• at 250 V rated v			0.55 A			
 at 200 V rated v at 400 V rated v 			0.27 A 0.12 A			
	e for safety-related communicat		without			
Enclosure			without			
coating of the enclo	sure		Other types			
Drive Head		_				
design of the switch	ling function		positive opening, 2x2 mm contact opening			
circuit principle			snap-action contacts			
-	contacts safety-related	Í	1			
Connections/ Termina	als					
type of electrical co	nnection	5	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	1	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)			
 at AWG cables 	solid	1	1x (20 16), 2x (20 18)			
 at AWG cables 	stranded		1x (20 16), 2x (20 18)			
Communication/ Prot	ocol					
design of the interfa	he interface without					
Ambient conditions						
ambient temperature	9					
 during operation 	• during operation -25 +85 °C					
during storage			-40 +90 °C			
explosion protection category for dust			none			
Installation/ mounting	J/ dimensions					
mounting position		a	any			
fastening method		S	snap-on mounting			
Certificates/ approvals						
General Product Ap	proval					
	Confirmation	(mar)		<u>KC</u>	r M F	
90	((\mathbf{m})			FHI	
CSA		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	UR		LIIL	
General Product Approval	Declaration of Conformity		Test Certificates	other		
		~ ~	Type Test Certific-	Confirmation		
EAC		CE	ates/Test Report			
LIIL	UK CA	EG-Konf.				

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=3SE5000-0GA00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5000-0GA00

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5000-0GA00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5000-0GA00&lang=en

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7/8/2022