SIEMENS

Data sheet

Product brand name

3SE5132-0CA00

Basic switch for position switch 3SE513 Enclosure plastic according to EN 50041, 1 x (M20 x 1.5) 1 NO/1 NC quick action contacts without actuator head



Product designation	Mechanical safety switches
Product type designation	3SE5
Manufacturer's article number	
 of the supplied basic switch 	3SE5132-0CA00
 of the supplied switching contacts 	3SE5000-0CA00
 of the supplied empty enclosure with cover 	3SE5132-0AA00
Suitability for use safety switch	Yes
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	IP66/IP67
Shock resistance	
• acc. to IEC 60068-2-27	30 g / 11 ms
Vibration resistance	

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Mechanical service life (ewitching cycles) 15 000 000 Electrical endurance (ewitching cycles) 100 000 Electrical endurance (switching cycles) with contactor 3RH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1025	• acc. to IEC 60068-2-6	0.35 mm/5g
Electrical endurance (switching cycles) 100 000 electrical endurance (switching cycles) with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 typical 10 00000 Electrical operating cycles in one hour with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 6 000 Thermal current 10 A Continuous current of the Characteristic MCB 1 A, for a short-circuit current smaller than 400 A Continuous current of the Quick DIAZED fuse link 6 A Active principle mechanical Repeat accuracy 0.05 mn With of the sensor 40 mm Under of the sensor 85.7 mn With of the sensor 5060 Hz Number of NC contacts for auxiliary contacts 1 Number of NC contacts for auxiliary contacts 1 Number of NC contacts for auxiliary contacts 1 Vitted value 6 A • at 24 V rated value 6 A • at 240 V rated value 6.5 A	Mechanical service life (switching cycles)	
• at AC-15 at 230 V typical 100 000 Electrical endurance (switching cycles) with contactor SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, SRT1025 (switching cycles) in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, SRT1025 6 000 Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, SRT1025, SRT1025 6 000 Thermal current 10 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 10 A; for a short-circuit current smaller than 400 A Continuous current of the 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 0.05 mm Width of the sensor 40 mm Design of the switching contact mechanical Number of NC contacts for auxiliary contacts 1 Number of NC contacts for auxiliary contacts 1 Number of NC contacts for auxiliary contacts 1 • at 24 V rated value 6 A • at 24 V rated value 6 A • at 24 V rated value 0.55 A • at 24 V rated value 0.55 A	• typical	15 000 000
Electrical endurance (switching cycles) with contactor 10 000 000 SRH11, SRT1016, SRT1017, 3RT1024, 3RT1025, 10 000 000 SRH11, SRT1016, SRT1017, 3RT1024, 3RT1025, 6 000 SRH1128 6 000 Thermal current 10 A Continuous current of the 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 0.05 mm Minimum actuating force in activation direction 20 N Length of the sensor 40 mm Design of the switching contact nechanical Operating frequency rated value 50 60 Hz Number of NC contacts for auxiliary contacts 1 Number of NC contacts for auxiliary contacts 1 Operating frequency rated value 6 A • at 24 V rated value 6 A • at 25 V rated value 3 A • at 25 V	Electrical endurance (switching cycles)	
3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 6 000 Electrical operating cycles in one hour with contactor stH11, 3RT1016, 3RT1017, 3RT1025, 3RT1025 6 000 Themal current 10 A Continuous current of the C characteristic MCB 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 DIAZED fuse link g0 6 A Active principle mechanical Repeat accuracy 0.05 mm Minimum actuating force in activation direction 20 N Length of the sensor 40 mm Design of the switching contact mechanical Operating frequency rated value 50 60 Hz Number of NC contacts for auxiliary contacts 1 Number of NC contacts for auxiliary contacts 1 Operating current at AC-15	• at AC-15 at 230 V typical	100 000
3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, Thermal current 10 A 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 Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A Continuous current of the Quick DIAZED fuse link gG 6 A Active principle mechanical Repeat accuracy 0.05 mm Minimum actuating force in activation direction 20 N Length of the sensor 40 mm Vidth of the sensor 40 mm Design of the switching contact mechanical Number of NC contacts for auxiliary contacts 1 Number of NC activation of auxiliary contacts 1 Number of NC activation for auxiliary conta	3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,	10 000 000
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 gG 6 A Active principle mechanical Repeat accuracy 0.05 mm Minimum actuating force in activation direction 20 N Length of the sensor 40 mm Vidth of the sensor 40 mm Design of the switching contact mechanical Operating frequency rated value 50 60 Hz Number of NC contacts for auxiliary contacts 1 Operating current at AC-15 - • at 24 V rated value 6 A • at 240 V rated value 0.27 A •	3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,	6 000
Continuous current of the quick DIAZED fuse link gG10 Å; for a short-circuit current smaller than 400 AContinuous current of the DIAZED fuse link gG6 ÅActive principlemechanicalRepeat accuracy0.05 mmMinimum actuating force in activation direction20 NLength of the sensor40 mmObesign of the switching contactmechanicalOperating frequency rated value50 60 HzNumber of NC contacts for auxiliary contacts1Operating current at AC-15	Thermal current	10 A
Continuous current of the DIAZED fuse link gG6 AActive principlemechanicalRepeat accuracy0.05 mmMinimum actuating force in activation direction20 NLength of the sensor85.7 mmWidth of the sensor40 mmDesign of the switching contactmechanicalOperating frequency rated value50 60 HzNumber of NC contacts for auxiliary contacts1Number of NC contacts for auxiliary contacts1Operating current at AC-15	Continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
Active principlemechanicalRepeat accuracy0.05 mmMinimum actuating force in activation direction20 NLength of the sensor85.7 mmWidth of the sensor40 mmDesign of the switching contactmechanicalOperating frequency rated value50 60 HzNumber of NC contacts for auxiliary contacts1Number of NO contacts for auxiliary contacts1Operating current at AC-156 A• at 24 V rated value6 A• at 240 V rated value6 A• at 250 V rated value0.55 A• at 250 V rated value0.12 ADesign of the interface for safety-related communication0.12 ADesign of the interface for safety-related communication0.12 A	Continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
Repeat accuracy0.05 mmMinimum actuating force in activation direction20 NLength of the sensor85.7 mmWidth of the sensor40 mmDesign of the switching contactmechanicalOperating frequency rated value50 60 HzNumber of NC contacts for auxiliary contacts1Number of NC contacts for auxiliary contacts1Operating current at AC-15-• at 24 V rated value6 A• at 25 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 240 V rated value0.055 A• at 25 V rated value0.055 A• at 25 V rated value0.055 A• at 250 V rated value0.057 A• at 260 V rated value0.057 A• at 260 V rated value0.057 A• at 260 V rated value0.057 A• at 270 V rated value0.057 A• at 280 V rated value0.057 A• at 290 V rated value0.057 A• at 200 V rated value0.057 A• at 200 V rated value0.027 A• at 400 V rated value0.12 A• at 400 V rated value0.12 A• at 400 V rated value0.12 A• at 200 V rated value0.12 A• at 200 V rated value0.12 A• at 400 V rated value0.12	Continuous current of the DIAZED fuse link gG	6 A
Any network with a sensor20 NLength of the sensor85.7 mmWidth of the sensor40 mmDesign of the switching contactmechanicalOperating frequency rated value50 60 HzNumber of NC contacts for auxiliary contacts1Number of NC contacts for auxiliary contacts1Number of CO contacts for auxiliary contacts1Operating current at AC-15-• at 24 V rated value6 A• at 25 V rated value6 A• at 240 V rated value6 A• at 240 V rated value3 A• at 24 V rated value0.55 A• at 25 V rated value0.27 A• at 400 V rated value0.12 A• at 400 V rated value0.27 A• at 400 V rated value0.12 A	Active principle	mechanical
Length of the sensor85.7 mmWidth of the sensor40 mmDesign of the switching contactmechanicalOperating frequency rated value50 60 HzNumber of NC contacts for auxillary contacts1Number of NC contacts for auxillary contacts1Number of CO contacts for auxillary contacts1Operating current at AC-15-• at 24 V rated value6 A• at 24 V rated value6 A• at 240 V rated value6 A• at 240 V rated value3 A• at 24 V rated value0.55 A• at 25 V rated value0.27 A• at 400 V rated value0.12 A• at 400 V rated value0.12 A• at 400 V rated value0.12 A• at 250 V rated value0.12 A• at 260 V rated value0.12 A• at 270 V rated value0.12 A• at 280 V rated value0.12 A• at 290 V rated value0.12 A• at 290 V rated value0.12 A• at 200 V rated value0.12 A• at 400 V rated value0.12 A<	Repeat accuracy	0.05 mm
With of the sensor40 mmDesign of the switching contactmechanicalOperating frequency rated value50 60 HzNumber of NC contacts for auxiliary contacts1Number of NO contacts for auxiliary contacts1Number of CO contacts for auxiliary contacts1Operating current at AC-15-• at 24 V rated value6 A• at 24 V rated value0.55 A• at 24 V rated value0.55 A• at 25 V rated value0.27 A• at 26 V rated value0.12 A• at 26 V rated value0.27 A• at 27 V rated value0.12 A	Minimum actuating force in activation direction	20 N
Design of the switching contactmechanicalOperating frequency rated value50 60 HzNumber of NC contacts for auxiliary contacts1Number of NO contacts for auxiliary contacts1Number of CO contacts for auxiliary contacts1Operating current at AC-15-• at 24 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 240 V rated value3 A• at 24 V rated value0.55 A• at 250 V rated value0.27 A• at 400 V rated value0.12 A• at 400 V rated value0.27 A• at 400 V rated value0.12 A	Length of the sensor	85.7 mm
Operating frequency rated value50 60 HzNumber of NC contacts for auxiliary contacts1Number of NO contacts for auxiliary contacts1Number of CO contacts for auxiliary contacts1Operating current at AC-156• at 24 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 240 V rated value3 A• at 24 V rated value0.55 A• at 250 V rated value0.27 A• at 400 V rated value0.12 AwithoutwithoutDesign of the interface for safety-related communicationblock, narrowplasticblock, narrow	Width of the sensor	40 mm
Number of NC contacts for auxiliary contacts1Number of NO contacts for auxiliary contacts1Number of CO contacts for auxiliary contacts1Operating current at AC-156• at 24 V rated value6 A• at 24 V rated value0.55 A• at 25 V rated value0.27 A• at 20 V rated value0.12 ADesign of the interface for safety-related communicationwithoutEnclosureblock, narrowMaterial of the enclosureplastic	Design of the switching contact	mechanical
Number of NO contacts for auxiliary contacts1Number of CO contacts for auxiliary contacts1Operating current at AC-156• at 24 V rated value6 A• at 25 V rated value6 A• at 24 V rated value6 A• at 24 V rated value6 A• at 24 V rated value6 A• at 240 V rated value0.55 A• at 250 V rated value0.27 A• at 400 V rated value0.12 ADesign of the interface for safety-related communicationwithoutEnclosureDesign of the housing Material of the enclosureblock, narrow plastic	Operating frequency rated value	50 60 Hz
Number of CO contacts for auxiliary contacts1Operating current at AC-156• at 24 V rated value6 A• at 25 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 400 V rated value3 A• at 24 V rated value0.55 A• at 250 V rated value0.27 A• at 400 V rated value0.12 ADesign of the interface for safety-related communicationwithoutEnclosureDesign of the housingblock, narrowMaterial of the enclosureplastic	Number of NC contacts for auxiliary contacts	1
Operating 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 value4 A• at 400 V rated value3 A• at 24 V rated value0.55 A• at 250 V rated value0.27 A• at 400 V rated value0.12 A• Design of the interface for safety-related communicationwithoutEnclosureDesign of the housingblock, narrowMaterial of the enclosureplastic	Number of NO contacts for auxiliary contacts	1
• at 24 V rated value6 A• at 125 V rated value6 A• at 240 V rated value6 A• at 240 V rated value4 A• at 400 V rated value3 A• at 24 V rated value0.55 A• at 250 V rated value0.27 A• at 400 V rated value0.12 A• Design of the interface for safety-related communicationwithoutEnclosureblock, narrow• Design of the housingplastic	Number of CO contacts for auxiliary contacts	1
• at 125 V rated value6 A• at 240 V rated value6 A• at 240 V rated value6 A• at 400 V rated value4 AOperating current at DC-13• at 24 V rated value3 A• at 25 V rated value0.55 A• at 250 V rated value0.27 A• at 400 V rated value0.12 ADesign of the interface for safety-related communicationwithoutEnclosureDesign of the housingblock, narrowMaterial of the enclosureplastic	Operating current at AC-15	
• at 240 V rated value6 A• at 240 V rated value4 AOperating current at DC-133 A• at 24 V rated value3 A• at 25 V rated value0.55 A• at 250 V rated value0.27 A• at 400 V rated value0.12 ADesign of the interface for safety-related communicationwithoutEnclosureDesign of the housingblock, narrowMaterial of the enclosureplastic	• at 24 V rated value	6 A
• at 400 V rated value4 AOperating current at DC-13.• at 24 V rated value3 A• at 24 V rated value0.55 A• at 125 V rated value0.27 A• at 400 V rated value0.12 A• Design of the interface for safety-related communicationwithoutEnclosureDesign of the housingblock, narrowMaterial of the enclosurepastic	• at 125 V rated value	6 A
Operating current at DC-13 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 Design of the interface for safety-related communication without Enclosure Design of the housing Material of the enclosure plastic	• at 240 V rated value	6 A
• at 24 V rated value3 A• at 125 V rated value0.55 A• at 250 V rated value0.27 A• at 400 V rated value0.12 ADesign of the interface for safety-related communicationwithoutEnclosureDesign of the housing Material of the enclosureblock, narrowplastic	• at 400 V rated value	4 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 Design of the interface for safety-related communication without Enclosure Design of the housing block, narrow Material of the enclosure plastic	Operating current at DC-13	
• at 250 V rated value 0.27 A • at 400 V rated value 0.12 A Design of the interface for safety-related communication without Enclosure Design of the housing Material of the enclosure block, narrow plastic plastic	• at 24 V rated value	3 A
• at 400 V rated value 0.12 A Design of the interface for safety-related communication without Enclosure Design of the housing Design of the enclosure block, narrow Material of the enclosure plastic	• at 125 V rated value	0.55 A
Design of the interface for safety-related communication without Enclosure Design of the housing Material of the enclosure plastic	• at 250 V rated value	0.27 A
communication Enclosure Design of the housing block, narrow Material of the enclosure plastic	• at 400 V rated value	0.12 A
Design of the housing block, narrow Material of the enclosure plastic		without
Material of the enclosure plastic	Enclosure	
	Design of the housing	block, narrow
Coating of the enclosure Other types	Material of the enclosure	plastic
-	Coating of the enclosure	Other types
Design of the housing acc. to standard Yes	Design of the housing acc. to standard	Yes

Drive Head

Design of the operating mechanism	Other, without, basic switch
Design of the switching function	Positive opening with appropriate positive opening actuator head
Circuit principle	snap-action contacts
Number of switching contacts safety-related	1
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)
 at AWG conductors solid 	1x (20 16), 2x (20 18)
 at AWG conductors stranded 	1x (20 16), 2x (20 18)
Cable entry type	1x (M20 x 1.5)
Communication/ Protocol	
Design of the interface	without
mbient conditions	
Ambient temperature	
 during operation 	-25 +85 °C
 during storage 	-40 +90 °C
Explosion protection category for dust	none
nstallation/ mounting/ dimensions	
Mounting position	any
Mounting type	screw fixing
Certificates/approvals	
General Product Approval	FunctionalDeclaration ofSafety/SafetyConformityof Machinery
	Type Examination Certificate EG-Konf.
other	

Confirmation

Further information

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Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5132-0CA00

Cax online generator

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