3SE5000-0CA00-1AC1

## **Data sheet**



Contact block for position switch 3SE51/52 1 NO/1 NC quick action contact gold-plated contacts

product type designation groduct type designation groduct function positive opening product function positive opening insulation voltage rated value degree of pollution degree of pollution surge voltage resistance rated value e according to IEC 80068-2-27  vibration resistance a cacording to IEC 80068-2-27  vibration resistance a cacording to IEC 80068-2-6  mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1028 typical Electrical operating cycles in one hour with contactor 3RH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1028 typical Electrical operating cycles in one hour with contactor 3RH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1028  continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (SWT blazed fuse link g active principle dectrical endurance (	product brand name	SIRIUS
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 IP00 IP00 IP00 IP00 IP00 IP00	product designation	contact
product function positive opening insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP00 shock resistance • according to IEC 60068-2-7 30g / 11 ms vibration resistance • according to IEC 60068-2-6 0.35 mm/5g mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3R111, 3R71016, 3R71017, 3R71024, 3R71025, 3R71026 typical strong cycles in one hour with contactor 3R111, 3R71016, 3R71017, 3R71024, 3R71025, 3R71026 vpical strong cycles in one hour with contactor 3R111, 3R71016, 3R71017, 3R71024, 3R71025, 3R71026 vpical strong cycles in OR 6000 strong cycles cyc	product type designation	3SE5
Insulation voltage rated value  degree of pollution  class 3  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 (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical poperating cycles in one hour with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  thermal current  10 A  reference code according to IEC 81346-2  S  continuous current of the Quick DIAZED fuse link Continuous current of the quick DIAZED fuse link G  active principle  mechanical repeat accuracy  0.1 mm  Substance Prohibitance (Date)  violation of NC contacts for auxiliary contacts 1  number of NC contacts for auxiliary contacts 1  number of NC contacts for auxiliary contacts 1  operating frequency rated value  at 24 V rated value  at 440 V rated value	General technical data	
degree of pollution surge voltage resistance rated value protection class IP shock resistance	product function positive opening	Yes
surge voltage resistance rated value protection class IP shock resistance according to IEC 60068-2-27 30g / 11 ms  vibration resistance according to IEC 60068-2-6 according to IEC 60068-2-6 according to IEC 60068-2-6 bechnical service life (switching cycles) typical electrical endurance (switching cycles) typical felectrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1016, 3RT1016, 3RT1016, 3RT1016, 3RT1016, 3RT1024, 3RT1025, 3RT1026  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016,	insulation voltage rated value	400 V
protection class IP shock resistance ● according to IEC 60068-2-27 vibration resistance ● according to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Electrical operating tycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Electrical operating tycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Electrical operating tycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Electrical operating tycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Electrical operating tycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Electrical operating tycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Electrical operating tycles in one hour with contactor 3RH11, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Electrical operating tycles in one hour with contact 5RH11, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Electrical operating tycles in one hour with contact 5RH11, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026  Electrical endurance (switching cycles) with contact 5RH11, 3RT1017, 3RT1026  Electrical endurance (switching cycles) with contact 5RH11, 3RT1017, 3RT1026  Electrical endurance (switching cycles) with contact 5RH11, 3RT1017, 3RT1026  Electrical endurance (switching cycles in too 0000  Electrical endurance (switching cycles in too 000	degree of pollution	class 3
shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH1, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  thermal current  10 A  reference code according to IEC 81346-2 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  Operating frequency rated value width of the sensor  Operating frequency rated value  Toperational current at AC-15  at 24 V rated value at 25 V rated value at 240 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 (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the C characteristic MCB  continuous current of the 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  operating frequency rated value  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1  number of NC contacts for auxiliary contacts  1  at 24 V rated value  at 240 V rated value	protection class IP	IP00
vibration resistance	shock resistance	
e according to IEC 60068-2-6  mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  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  continuous current of the DIAZED fuse link G6  active principle  repeat accuracy  0.1 mm  Substance Prohibitance (Date) width of the sensor  operating frequency rated value number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1 at 24 V rated value  at 240 V rated value  at 400 V rated value	<ul><li>according to IEC 60068-2-27</li></ul>	30g / 11 ms
mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Teference 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  continuous current of the DIAZED fuse link gG  active principle  repeat accuracy  0.1 mm  Substance Prohibitance (Date)  width of the sensor  operating frequency rated value  poperating frequency rated value  at 24 V rated value  at 24 V rated value  at 240 V rated value  at 240 V rated value  at 240 V rated value  at 400 V rated value	vibration resistance	
electrical endurance (switching cycles) at AC-15 at 230 V typical  electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  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 gG  active principle  repeat accuracy  0.1 mm  Substance Prohibitance (Date)  width of the sensor  operating frequency rated value  number of NC contacts for auxiliary contacts  1 auxiliary contacts  1 at 24 V rated value  at 24 V rated value  at 240 V rated value  at 400 V rated value	according to IEC 60068-2-6	0.35 mm/5g
electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  thermal current  ference 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 gG  active principle  repeat accuracy  0.1 mm  Substance Prohibitance (Date)  width of the sensor  operating frequency rated value  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1 at 24 V rated value  at 24 V rated value  at 240 V rated value  at 240 V rated value  at 400 V rated value  poperational current at DC-13	mechanical service life (switching cycles) typical	15 000 000
3RH11, 3RT1016, 3RT1027, 3RT1024, 3RT1025, 3RT1026 typical  Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  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 plazeD fuse link gG  active principle  repeat accuracy  0.1 mm  Substance Prohibitance (Date)  width of the sensor  operating frequency rated value  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1 at 24 V rated value  at 24 V rated value  at 240 V rated value  at 400 V rated value		100 000
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 quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the pliAZED 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 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	3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,	10 000 000
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 paick 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  operating frequency rated value  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  • at 24 V rated value  • at 25 V rated value  • at 240 V rated value  • at 240 V rated value  • at 400 Cantacts at AC-13	3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,	6 000
continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the plazed fuse link gG  active principle  repeat accuracy  Substance Prohibitance (Date)  width of the sensor  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 240 V rated value  • at 400 V rated value  • at 400 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 repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor 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  operational current at DC-13	reference code according to IEC 81346-2	S
continuous current of the DIAZED fuse link gG  active principle  repeat accuracy  0.1 mm  Substance Prohibitance (Date)  width of the sensor  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	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  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 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) 07/01/2006 width of the sensor 0perating 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 • at 125 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date)  width of the sensor  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  • at 400 V rated value  operational current at DC-13	active principle	mechanical
width of the sensor  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  operational current at DC-13	repeat accuracy	0.1 mm
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  • at 400 V rated value  operational current at DC-13	Substance Prohibitance (Date)	07/01/2006
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	width of the sensor	25 mm
number of NO contacts for auxiliary contacts  operational current at AC-15  o at 24 V rated value o at 125 V rated value o at 240 V rated value o at 240 V rated value o 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	1
<ul> <li>at 24 V rated value</li> <li>at 125 V rated value</li> <li>at 240 V rated value</li> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> </ul> Operational current at DC-13	number of NO contacts for auxiliary contacts	1
<ul> <li>at 125 V rated value</li> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>4 A</li> </ul> Operational current at DC-13	operational current at AC-15	
<ul> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>4 A</li> </ul> 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

<ul> <li>at 125 V rated value</li> </ul>	0.55 A
<ul> <li>at 250 V rated value</li> </ul>	0.27 A
at 400 V rated value	0.12 A
design of the interface for safety-related communication	without
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	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)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
<ul> <li>at AWG cables solid</li> </ul>	1x (20 16), 2x (20 18)
<ul> <li>at AWG cables stranded</li> </ul>	1x (20 16), 2x (20 18)
Communication/ Protocol	
design of the interface	without
Ambient conditions	
ambient temperature	
<ul><li>during operation</li></ul>	-25 +85 °C
during storage	-40 +90 °C
explosion protection category for dust	none
Installation/ mounting/ dimensions	
mounting position	any
fastening method	snap-on mounting
Certificates/ approvals	
General Product Approval	



Confirmation





<u>KC</u>



General Product
Approval

Declaration of Conformity

Test Certificates

other







Type Test Certificates/Test Report

Confirmation

## **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=3SE5000-0CA00-1AC1

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5000-0CA00-1AC1

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5000-0CA00-1AC1

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