SIEMENS

Data sheet 3SE5050-0CA00



Contact block IP20 for position switch 3SE5250 open type design 1 NO/1 NC quick action contact

product type designation product type designation general technical data product function positive opening insulation voltage rated value degree of pollution degree of pollution surge voltage resistance rated value e according to IEC 60068-2-27 vibration resistance e according to IEC 60068-2-27 vibration resistance e according to IEC 60068-2-27 vibration 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, 3RT1028 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 synical continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link go active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor operating frequency rated value at 125 V rated value at 125 V rated value at 125 V rated value at 400 V rated value at 420 V rated value	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	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 IP20, conductor connected and clamping screw screwed in shock resistance	product type designation	3SE5
Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP IP20, conductor connected and clamping screw screwed in shock resistance according to IEC 60068-2-27 30g / 11 ms 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 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 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, 3RT1026 typical Electrical operating to IEC 81346-2 S continuous current of the QLAZED fuse link 0 10 A for a short-circuit current smaller than 400 A continuous current of the QLAZED fuse link gG active principle mechanical respeat accuracy 0.1 mm Substance Prohibitance (Date) 7/701/2006 width of the sensor 25 mm operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 1 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 240 V rated value 6 A at 400 V rated value 7 A 4 A operational current at DC-13	General technical data	
degree of pollution surge voltage resistance rated value protection class IP P(20, conductor connected and clamping screw screwed in shock resistance	product function positive opening	Yes
surge voltage resistance rated value protection class IP shock resistance	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 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 continuous current of the pliAZED fuse link g active principle mechanical repeat accuracy 0.1 mm Substance Prohibitance (Date) width of the sensor operating frequency rated value 10 0.0 Hz 10 0.	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) 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 cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating 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 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) width of the sensor operating frequency rated value for NC contacts for auxiliary contacts 1 operating frequency rated value at 24 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 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 endurance (switching cycles) with contactor on a sufficient system of 60000 Blood Onton Ont	protection class IP	IP20, conductor connected and clamping screw screwed in
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 S Continuous current 10 A reference code according to IEC 81346-2 S Continuous current of the C characteristic MCB 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 Continuous Current of the DIAZED fuse li	according to IEC 60068-2-27	30g / 11 ms
mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical 10 0000 100 000 10 000 000 10 000 00	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 number of NC contacts for auxiliary contacts 1 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	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 10 A 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 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 a (6 A at 125 V rated value at 240 V rated value	mechanical service life (switching cycles) typical	15 000 000
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 1 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 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 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 plazed fuse link g6 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	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 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 operational current at AC-15 • at 24 V rated value • at 25 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at DC-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 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 240 V rated value • at 400 V rated value • at 90 V rated value • at 400 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) 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 C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
active principle 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 • at 125 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value	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 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	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 240 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 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 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 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 • 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	number of NC contacts for auxiliary contacts	1
 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	number of NO contacts for auxiliary contacts	1
 at 125 V rated value at 240 V rated value at 400 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 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	
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)
 finely stranded with core end processing 	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
 at AWG cables solid 	1x (20 16), 2x (20 18)
 at AWG cables stranded 	1x (20 16), 2x (20 18)
Communication/ Protocol	
design of the interface	without
Ambient conditions	
ambient temperature	
 during operation 	-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	





Confirmation





<u>KC</u>

General Product Approval

General Product Approval

Declaration of Conformity

other









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=3SE5050-0CA00

Cax online generator

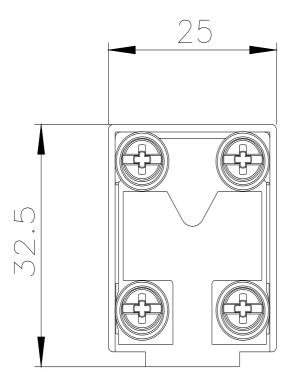
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5050-0CA00

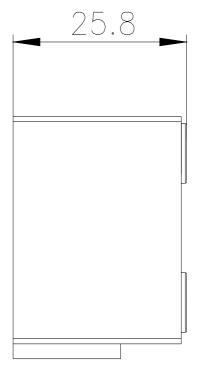
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

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