SIEMENS

Data sheet 3SE5162-0CA00



Basic switch for position switch 3SE5162 Metal enclosure XL, 56 mm wide Device connection $3x(M20 \times 1.5)$ IP66/IP67 2 x (1 NO/1 NC) quick action contacts without actuator head

product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value block resistance according to IEC 60068-2-47 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current thermal current thermal current of the enclosure of the switch head reference code according to IEC 81346-2 continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle repata accuracy Substance Prohibitance (Date) SVHC substance name insulation voltage rated value 400 V	product brand name	SIRIUS
manufacturer's article number • of the supplied empty enclosure with cover suitability for use safety switch product function positive opening insulation voltage rated value degree of pollution surge voltage resistance rated value • according to IEC 60068-2-27 vibration resistance cording to IEC 60068-2-6 material of the enclosure of the switch head reference code according to IEC 61346-2 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 substance Prohibitance (Date) SVHC substance name minimum actuating force in directions of actuation with of the sensor with off the sensor with off the sensor e during operation e during storage explosion protection category for dust operating frequency rated value 1 x 3SE5000-0CA00, 1x 3SE5080-0CA00 3SE5162-0AA00 Yes (Yes 1 x 595162-0AA00 Yes (All Coloration) yes (All Colo	product designation	Mechanical safety switches
manufacturer's article number • of the supplied empty enclosure with over sultability for use safety switch product function positive opening insulation voltage rated value degree of pollution surge voltage resistance rated value • according to IEC 60068-2-7 vibration resistance according to IEC 60068-2-7 material of the enclosure of the switch head enclared of the enclosure of the switch head reference code according to IEC 61346-2 continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the pulck DIAZED fuse link continuous current of the pulck DIAZED fuse link continuous current of the sensor width of the sensor widting operation • during sporagio explosion protection category for dust one design of the switching contact one entaling frequency rated value solutions of the switching contact one entaling operation • during sporagio explosion protection category for dust one elaging frequency rated value substance Profesionarce one according to IEC 81346-2 substance Profesionarce one according	product type designation	3SE5
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product function positive opening Yes insulation voltage rated value 400 V degree of pollution class I3 surge voltage resistance rated value 6kV protection class IP IP66/IP67 shock resistance	of the supplied empty enclosure with cover	3SE5162-0AA00
product function positive opening Yes insulation voltage rated value 400 V degree of pollution 56 kV protection class IP IPE66/IPE7 shock resistance 5 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 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V topical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V topical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V topical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V topical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V topical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V topical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V topical 5 000 000 electrical endurance (operating cycles) typical 6 000 000 e	suitability for use safety switch	Yes
insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 6 kV protection class IP 1P66/IP67 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 5000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 typical 100 A material of the enclosure of the switch head metal 10 A material of the enclosure of the switch head metal 10 A continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the QuiAZED fuse link G 6 A active principle mechanical 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G 6 A active principle mechanical 10 A; for a short-circuit current smaller than 400 A continuous current of the pulace Diace Di	General technical data	
degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP66/IP67 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 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 typical 100 000 thermal current 10 A metal current 11 A metal current 11 A metal current 11 A metal current 11 A metal reference code according to IEC 80146-2 B 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 G 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SUHStance Prohibitance (Date) 07/01/2006 SUHStance Prohibitance (Date) 07/01/2006 SUHStance Prohibitance (Date) 07/01/2006 SUHStance Prohibitance (Date) 07/01/2006 Substance Prohibitance (Date) 07/01/2006 Substance Prohibitance (Date) 07/01/2006 Suhstance Prohibitance (Date) 07/01/2006	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 (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head metal reference code according to IEC 81346-2 B 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 pulck DIAZED fuse link 6 A active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) SYHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 30 N length of the sensor width of the sensor 56 mm width of the sensor 40 during storage 40 uring storage 40 uring storage explosion protection category for dust design of the switching contact mechanical operating frequency rated value 50 u 60 Hz	degree of pollution	class 3
shock resistance	surge voltage resistance rated value	6 kV
• according to IEC 60068-2-27 vibration resistance according 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 material of the enclosure of the switch head metal reference code according to IEC 81346-2 continuous current of the C characteristic MCB tontinuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle repeat accuracy Substance Prohibitance (Date) SVHC substance Prohibitance (Date) SVHC substance name minimum actuating force in directions of actuation width of the sensor width of the sensor indiduced the sensor indicate the sensor	protection class IP	IP66/IP67
vibration resistance according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 typical 100 A material of the enclosure of the switch head metal reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the pliAZED 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 Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 30 N length of the sensor 107.7 mm width of the sensor 56 mm width of the sensor 56 mm vibient conditions 25 +85 °C aduring storage -40 +90 °C explosion protection category for dust none design of the switching co	shock resistance	
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electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head reference code according to IEC 81346-2 B 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 puick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 107.7 mm width of the sensor which conditions ambient temperature during operation during storage -25 +85 °C -40 +90 °C explosion protection category for dust explosion frequency rated value 50 60 Hz	vibration resistance according to IEC 60068-2-6	0.35 mm/5g
typical thermal current material of the enclosure of the switch head metal reference code according to IEC 81346-2 B Continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the pliAZED fuse link continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor width of the sensor 107.7 mm width of the sensor which temperature	mechanical service life (operating cycles) typical	5 000 000
material of the enclosure of the switch head reference code according to IEC 81346-2 B 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 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 107.7 mm width of the sensor 107.7 mm width of the sensor 56 mm Indiazolidin-2-thion short width of the sensor 40 uring operation 40 uring operation 40 uring storage 40 uring storage 40 uring or the switching contact 0 perating frequency rated value 50 uring frequency rated value		100 000
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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 6 A continuous current of the DIAZED fuse link gG 6 A continuous current of the DIAZED fuse link gG 6 A continuous current of the DIAZED fuse link gG 6 A continuous current of the DIAZED fuse link gG 6 A continuous current of the DIAZED fuse link gG 6 A continuous current of the DIAZED fuse link gG 6 A continuous current of the DIAZED fuse link gG 6 A continuous current of the venauler than 400 A continuous current the venauler than 400 A continuous current the venauler the venauler than 400 A continuous current the venauler the venauler than 400 A continuous current t	material of the enclosure of the switch head	metal
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continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 5VHC substance name lmidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 30 N length of the sensor width of the sensor 107.7 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage 40 +90 °C explosion protection category for dust none design of the switching contact operating frequency rated value 50 60 Hz	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 30 N length of the sensor 107.7 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage -40 +90 °C explosion protection category for dust nechanical operating frequency rated value 50 60 Hz	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
repeat accuracy Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor indicatory	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor indicator of the sensor 107.7 mm width of the sensor some mbient conditions ambient temperature eduring operation cut during storage during storage eduring storage eduring of the switching contact mechanical operating frequency rated value 07/01/2006 1midazolidin-2-thion - 96-45-7 30 N 107.7 mm 56 mm -25 +85 °C -40 +90 °C mechanical operating frequency rated value 50 60 Hz	active principle	mechanical
SVHC substance name minimum actuating force in directions of actuation 107.7 mm width of the sensor 107.7 mm subject conditions ambient temperature during operation during storage eduring storage explosion protection category for dust none design of the switching contact operating frequency rated value Imidazolidin-2-thion - 96-45-7 30 N 107.7 mm 56 mm -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical 50 60 Hz	repeat accuracy	0.05 mm
minimum actuating force in directions of actuation length of the sensor width of the sensor form ambient conditions ambient temperature during operation during storage eduring storage explosion protection category for dust design of the switching contact operating frequency rated value 30 N 107.7 mm 56 mm -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical operating frequency rated value 50 60 Hz	Substance Prohibitance (Date)	07/01/2006
length of the sensor width of the sensor 56 mm Ambient conditions ambient temperature	SVHC substance name	Imidazolidin-2-thion - 96-45-7
width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust design of the switching contact operating frequency rated value 50 60 Hz	minimum actuating force in directions of actuation	30 N
Ambient conditions ambient temperature • during operation • during storage • one capital storage capital	length of the sensor	107.7 mm
ambient temperature • during operation • during storage	width of the sensor	56 mm
 during operation during storage +40 +90 °C explosion protection category for dust design of the switching contact operating frequency rated value -25 +85 °C none mechanical 50 60 Hz 	Ambient conditions	
● during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical operating frequency rated value 50 60 Hz	ambient temperature	
explosion protection category for dust design of the switching contact operating frequency rated value none mechanical 50 60 Hz	 during operation 	-25 +85 °C
design of the switching contact mechanical operating frequency rated value 50 60 Hz	during storage	-40 +90 °C
operating frequency rated value 50 60 Hz	explosion protection category for dust	none
	design of the switching contact	mechanical
number of NC contacts for auxiliary contacts 2	operating frequency rated value	50 60 Hz
	number of NC contacts for auxiliary contacts	2

number of NO contacts for auxiliary contacts	2
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	
• 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	
design of the housing	block, wide
material of the enclosure	metal
coating of the enclosure	cathodic dip coating
design of the housing according to standard	No
Drive Head	
design of the actuating element	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	2
cable entry type	3x (M20 x 1.5)
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
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

Functional Safety/Safety of Machinery





Confirmation





Type Examination Certificate

Declaration of Conformity

Test Certificates

othe





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)

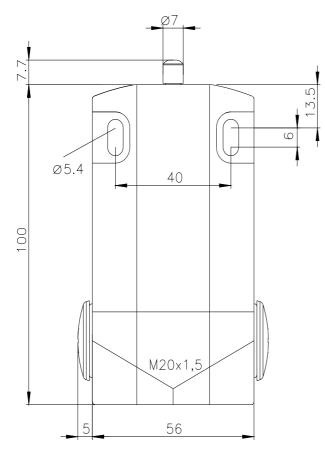
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5162-0CA00

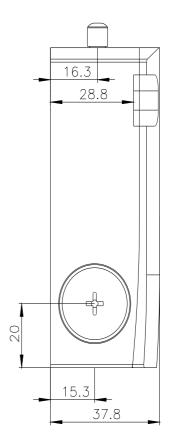
Cax online generator

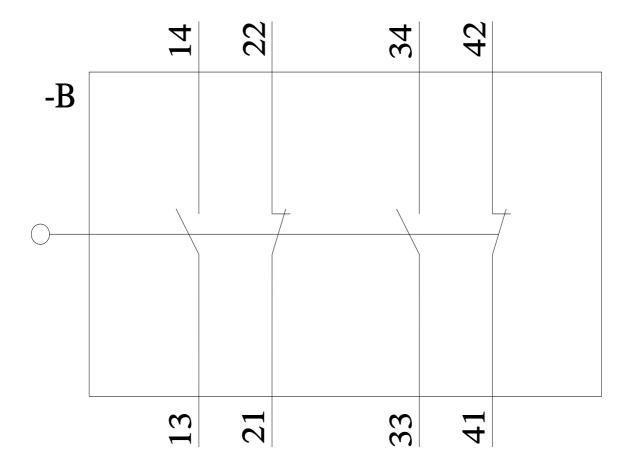
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SE5162-0CA00}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0CA00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0CA00&lang=en







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