SIEMENS

Data sheet 3SE5162-0CE01



Position switch 3SE5162 Metal enclosure XL, 56 mm wide with roller lever, metal lever and plastic roller 22 mm Device connection 3 x (M20 x 1.5) 2 x (1 NO/1 NC) Quick action contacts IP66/IP67

product type designation product type designation 3SE5 soft he supplied basic switch of the supplied basic switch of the supplied avoit hing contacts of the supplied avoit hing contacts of the supplied avoit hing contacts of the supplied switching contact of the supplied switching contact of the supplied switching contact of the supplied empty enclosure with cover suitability for use safety switch Post Supplied switching contact of the supplied empty enclosure with cover suitability for use safety switch Post Suitability for use safety switch Suitability for use safety suitability suitability suitability suitabili	product brand name	SIRIUS
manufacturer's article number of the supplied basic switch of the supplied switch head for position switches of the supplied switching contacts of the supplied switching contacts tx 3SE5000-QAE01 tx 3SE5000-QAE01 tx 3SE5000-QCA00, 1x 3SE5080-QCA00 of the supplied switching contacts witability for use safety switch control tochnical data product function positive opening yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value foke/ ey rotection class IP shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 celectrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical freference code according to IEC 81346-2 B continuous current of the Ceharacteristic 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 g0 active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) SYHC substance name minimum actuating force in directions of actuation 15 N length of the sensor Ambient conditions ambient temperature of uning operation of the sensor Aufler of the sensor Aufler of the sensor during operation of the definition and position of the sensor of the conditions ambient temperature of uning operation of the sensor of the conditions on the continuous current of the conditions of the sensor during operation of the sensor on the conditions of the sensor of the conditions of the sensor of the conditions of the sensor on the conditions of the sensor Author of the sensor Aut	product designation	Mechanical position switches
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of the supplied actuator head for position switches of the supplied switching contacts of the supplied empty enclosure with cover suitability for use safety switch suitability for use safety switch Pes General technical data product function positive opening insulation voltage rated value degree of pollution disass 3 surge voltage resistance rated value degree of pollution suitability for use safety switch degree of pollution disass 3 surge voltage resistance rated value de RV 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 selectrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head plastic 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 DIAZED fuse link 2 O.05 mm subtance Prohibitance (Date) 3VHC substance name minimum actuating force in directions of actuation 15 N length of the sensor 4 H1 mm width of the sensor 4 during operation e during storage acures on the suit of t	manufacturer's article number	
of the supplied empty enclosure with cover of the supplied empty enclosure with cover subtability for use safety switch Product function positive opening Product function pos	 of the supplied basic switch 	3SE5162-0CA00
of the supplied empty enclosure with cover suitability for use safety switch Product function positive opening Product function positive opening Insulation voltage rated value degree of politution deass 3 surge voltage resistance rated value de kV protection class IP shock resistance	 of the supplied actuator head for position switches 	3SE5000-0AE01
Sultability for use safety switch General technical data product function positive opening 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 according to IEC 60068-2-7 vibration resistance according to IEC 60068-2-6 electrical endurance (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 plastic 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 DIAZED fuse link G Continuous current of the DIAZED fuse link G Active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (bate) SVHC substance name Inidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation In N length of the sensor during storage 4 during operation 4 during operation 4 during operation 4 during storage 4 during operation 4 during storage 4 during oprotection category for dust	 of the supplied switching contacts 	1x 3SE5000-0CA00, 1x 3SE5060-0CA00
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 IPEG/IPEG 308 / 1 ms 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 (operating cycles) typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head plastic 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 0 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 0 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 0 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 0 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 0 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 0 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 0 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 A; for a short-circ	 of the supplied empty enclosure with cover 	3SE5162-0AA00
Insulation voltage rated value 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 vibration resistance coording to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical thermal current 10 A material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the Characteristic MCB continuous current of the QIAZED fuse link continuous current of the DIAZED fuse link gG active principle repeat accuracy SUBSTANCE SUBS	suitability for use safety switch	Yes
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 30g / 11 ms 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 plastic 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 G 6 A cative principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name Imidazolicin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 441 mm width of the sensor 4mbient temperature during operation 4during storage 4during storage 4during storage explosion protection category for dust	General technical data	
degree of pollution class 3 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 0.35 mm/5g 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 plastic 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) 70701/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 Iminimum actuating force in directions of actuation length of the sensor 441 mm width of the sensor 4mblent conditions ambient temperature e during operation e during storage 40+90 °C explosion protection category for dust	product function positive opening	Yes
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 (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 plastic 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 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) 77/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 411 mm width of the sensor 441 mm width of the sensor 56 mm Ambient temperature • during operation • during storage • during storage 40 +90 °C explosion protection category for dust	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 plastic 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 0 0.5 mm substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 15 N length of the sensor 441 mm width of the sensor 441 mm width of the sensor 440 +90 °C explosion protection category for dust	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 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 Substance Prohibitance (Date) SVHC substance name minimum actuating force in directions of actuation length of the sensor 441 mm width of the sensor 441 mm width of the sensor 440 +90 °C explosion protection category for dust none	protection class IP	IP66/IP67
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 plastic 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 DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 00.05 mm chanical 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 4141 mm width of the sensor 456 mm Ambient conditions ambient temperature oduring operation -25 +85 °C oduring storage explosion protection category for dust	shock resistance	
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 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 continuous current of the DIAZED fuse link gG 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 length of the sensor 4141 mm width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust	• according to IEC 60068-2-27	30g / 11 ms
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 continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle 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 411 mm width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust	vibration resistance according to IEC 60068-2-6	0.35 mm/5g
thermal current 10 A material of the enclosure of the switch head plastic 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 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 15 N length of the sensor 141 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation -25 +85 °C -40 +90 °C explosion protection category for dust	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 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) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 4141 mm width of the sensor 56 mm Ambient conditions ambient temperature e during operation e during storage explosion protection category for dust plastic 1 A; for a short-circuit current smaller than 400 A 0 A 10 A; for a short-circuit current smaller than 400 A 10 A; for a short-circuit current smaller		100 000
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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 mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) SYHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 15 N length of the sensor 141 mm width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 1 A; for a short-circuit current smaller than 400 A 10 A; for a short-circuit	material of the enclosure of the switch head	plastic
continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 5VHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor vidth of the sensor 411 mm width of the sensor 441 mm width of the sensor 440 +85 °C 40 uring storage 40 +90 °C explosion protection category for dust	reference code according to IEC 81346-2	В
continuous current of the DIAZED fuse link gG active principle 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 width of the sensor 411 mm width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust • one	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
active principle 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 15 N length of the sensor 141 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust mechanical mechanical mechanical mechanical mechanical none	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 15 N length of the sensor 141 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust	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 Is N length of the sensor width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 07/01/2006 1midazolidin-2-thion - 96-45-7 15 N 141 mm 56 mm -25 +85 °C -40 +90 °C explosion protection category for dust none	active principle	mechanical
SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 15 N length of the sensor 141 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none	repeat accuracy	0.05 mm
minimum actuating force in directions of actuation length of the sensor width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 15 N 141 mm -56 mm -25 +85 °C -40 +90 °C explosion protection category for dust	Substance Prohibitance (Date)	07/01/2006
length of the sensor width of the sensor 56 mm Ambient conditions ambient temperature during operation during storage explosion protection category for dust 141 mm 56 mm 76 mm 76 mm 77 mm 78 mm 78 mm 78 mm 79 mm 70 mm 70 mm 70 mm 70 mm 70 mm 70 mm 71 mm 72 mm 72 mm 73 mm 74 mm 75 mm 76 mm 76 mm 77 mm 78 mm	SVHC substance name	Imidazolidin-2-thion - 96-45-7
width of the sensor Ambient conditions ambient temperature • during operation • during storage -40 +90 °C explosion protection category for dust 56 mm -25 +85 °C -40 +90 °C	minimum actuating force in directions of actuation	15 N
Ambient conditions ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust none	length of the sensor	141 mm
ambient temperature	width of the sensor	56 mm
 during operation during storage explosion protection category for dust -25 +85 °C -40 +90 °C none	Ambient conditions	
◆ during storage ←40 +90 °C explosion protection category for dust none	ambient temperature	
explosion protection category for dust none	during operation	-25 +85 °C
	during storage	-40 +90 °C
design of the switching contact mechanical	explosion protection category for dust	none
	design of the switching contact	mechanical

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	Roller lever, metal lever, plastic roller	
standard-compliant actuator head	EN 50041	
shape of the switch head	roller	
design of the switching function	positive opening	
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 Ma- chinery





Confirmation





Type Examination Certificate

Declaration of Conformity

Test Certificates

other



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=3SE5162-0CE01

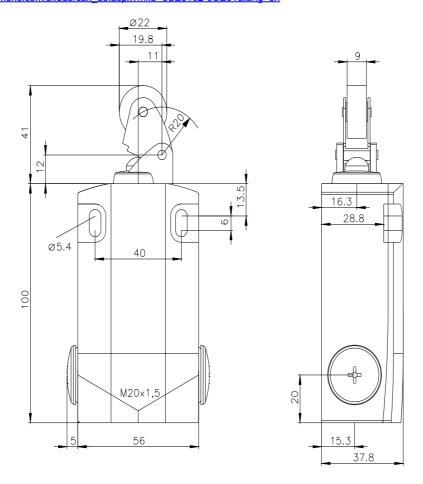
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0CE01

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0CE01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0CE01&lang=en



last modified:

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