SIEMENS

Data sheet 3SE5162-0CD02



Position switch 3SE5162 Metal enclosure XL, 56 mm wide Roller plunger with stainless steel roller 13 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 of the supplied basic switch of the supplied assict switch of the supplied switching contacts of the supplied assict switch of the supplied switching contacts of the supplied assict switch of the supplied switching contacts of the supplied depthy enclosure with cover stability for use safety switch Canaral tochnical data product function positive opening yes surge voltage resistance rated value yes protection class IP yes yolitage resistance according to IEC 60068-2-27 yolitage resistance according to IEC 60068-2-27 yolitage resistance of according to IEC 81346-2 B continuous current of the C characteristic MCB 1A, for a short-circuit current smaller than 400 A continuous current of the Q characteristic MCB 1A, for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link continuous current of the quick DIAZED fuse link onthinuous current of the quick DIAZED fuse link onthinuous current of the quick DIAZED fuse link onthinuous current of the place DIAZED fuse link on	product brand name	SIRIUS
manufacturer's article number of the supplied basic switch of the supplied assic switch of the supplied assic switch head for position switches of the supplied empty enclosure with cover of the supplied empty enclosure with cover of the supplied empty enclosure with cover set set suitability for use safety switch or of the supplied dempty enclosure with cover set suitability for use safety switch Product function positive opening product function positive opening yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP shock resistance • according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 os 5mm/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 metal reference code according to IEC 81346-2 B continuous current of the Characteristic MCB onthinuous current of the Characteristic MCB onthinuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DiaZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DiaZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DiaZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DiaZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DiaZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of t	product designation	Mechanical position switches
of the supplied actuator head for position switches of the supplied actuator head for position switches of the supplied switching contacts of the switching cont	product type designation	3SE5
of the supplied actuator head for position switches of the supplied switching contacts of the supplied mpty 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 degree of pollution degree of pollution dess 3 surge voltage resistance rated value protection class IP shock resistance • according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-8 mechanical service life (operating cycles) typical selectical endurance (operating cycles) typical thermal current	manufacturer's article number	
of the supplied empty enclosure with cover of the supplied empty enclosure with cover sultability 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 Yes General technical data product function positive opening Yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value excording to IEC 60068-2-7 shock resistance	 of the supplied actuator head for position switches 	3SE5000-0AD02
suitability for use safety switch General technical data product function positive opening	 of the supplied switching contacts 	1x 3SE5000-0CA00, 1x 3SE5060-0CA00
General technical data product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV 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) 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 Quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 7/701/2006 SVHC substance name minimum actuating force in directions of actuation width of the sensor 40 +90 °C explosion protection category for dust	 of the supplied empty enclosure with cover 	3SE5162-0AA00
product function positive opening Pres Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV 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) typical for 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 B 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 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the pulcate DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the QIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the QIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the QIAZED fuse link of A; for a short-circuit	suitability for use safety switch	Yes
Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP protection class IP protection class IP according to IEC 60068-2-27 gog / 11 ms vibration resistance according to IEC 60068-2-6 according to IEC 60068-2-6 delectrical endurance (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 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 repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolicin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 438.3 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 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 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 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 minimum actuating force in directions of actuation length of the sensor 138.3 mm width of the sensor 4mbient conditions ambient temperature e during operation e during storage 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 metal reference code according to IEC 81346-2 B continuous current of the C characteristic MCB continuous current of the PulaZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name limidazoildin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 4 millon active principle width of the sensor 4 millon active principle active principle substance prohibitance (Date) SVHC substance name limidazoildin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 4 minimum actuating force in directions of actuation ambient temperature during operation during storage during storage volume year according to IEC 60068-2-6 0.35 mm/5g 10 0000 10	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 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 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 4 mbient conditions ambient temperature of during operation -25 +85 °C -40 +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 thermal current 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 width of the sensor ambient temperature during operation during storage explosion protection category for dust o 0.05 mm 100 000 100 00 100 000 100 00 10	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 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 continuous current of the DIAZED fuse link G 6 A active principle 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 30 N length of the sensor 438.3 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	shock resistance	
mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 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 Substance Prohibitance (Date) SYHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor ### Abbient conditions ambient temperature ### during operation -25 +85 °C -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 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 G A 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 438.3 mm width of the sensor ### Ambient conditions ambient temperature ### during operation ### -25 +85 °C ### -40 +90 °C explosion protection category for dust	vibration resistance according to IEC 60068-2-6	0.35 mm/5g
thermal current 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 plazed fuse link continuous current of the DIAZED fuse link 6 A active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) 7/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 30 N length of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage 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 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 130 N length of the sensor width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage -40 +90 °C explosion protection category for dust		100 000
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 0.05 mm Substance Prohibitance (Date) SYHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor identify the sensor Ambient conditions ambient temperature o during operation other in the sensor of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A 10 A; for a short-ci	thermal current	10 A
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 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 438.3 mm width of the sensor Ambient conditions ambient temperature o during operation -25 +85 °C o during storage e-40 +90 °C explosion protection category for dust	material of the enclosure of the switch head	metal
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) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor width of the sensor 438.3 mm width of the sensor 4mbient conditions ambient temperature o during operation -25 +85 °C -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 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 30 N length of the sensor 338.3 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust	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 138.3 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 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 indicator of the sensor 30 N length of the sensor 318.3 mm width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 0.05 mm 0.701/2006 30 N 138.3 mm -25 +85 °C -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 length of the sensor indicator in directions of actuation 30 N length of the sensor width of the sensor 56 mm Ambient conditions ambient temperature oldering operation -25 +85 °C oldering storage 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 30 N length of the sensor 138.3 mm width of the sensor 56 mm Ambient conditions ambient temperature	repeat accuracy	0.05 mm
minimum actuating force in directions of actuation length of the sensor 30 N 138.3 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage -40 +90 °C explosion protection category for dust 30 N 138.3 mm -25 +85 °C -40 +90 °C	Substance Prohibitance (Date)	07/01/2006
length of the sensor width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 138.3 mm 138.3 mm -25 +85 °C -40 +90 °C explosion protection category for dust	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 • during	minimum actuating force in directions of actuation	30 N
Ambient conditions ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust none	length of the sensor	138.3 mm
ambient temperature ● during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none	width of the sensor	56 mm
 during operation -25 +85 °C during storage -40 +90 °C explosion protection category for dust 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 plunger, high-grade steel roller	
standard-compliant actuator head	EN 50041, design C	
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

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=3SE5162-0CD02

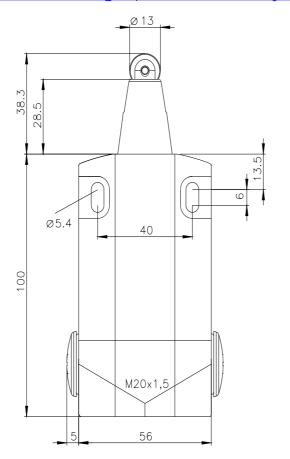
Cax online generator

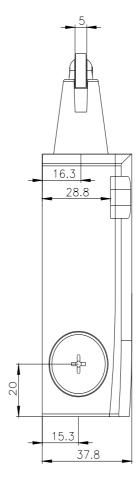
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0CD02

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0CD02

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0CD02&lang=en





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