SIEMENS

Data sheet 3SE5122-0BB01



Position switch Metal enclosure 56 mm wide Device connection 3x (M20x 1.5) 1 NO/1 NC slow-action contacts Plain plunger, stainless steel

product type designation product type designation 3SE5 **To the supplied basic switch of the supplied basic switch of the supplied declutator head for position switches size 500-0ABD1 of the supplied witching contacts of the supplied witching contacts of the supplied witching contacts size500-0ABD1 of the supplied empty enclosure with cover size500-0ABD1 size500-0ABD1 of the supplied witching contacts size500-0ABD1 of the supplied witching contacts size500-0ABD1 size500-0A	product brand name	SIRIUS
manufacturer's article number of the supplied basic switch of the supplied debasic switch of the supplied actuator head for position switches of the supplied empty enclosure with cover 3SE5122-0BA00 of the supplied empty enclosure with cover 3SE5122-0BA00 suitability for use safety switch Ves General technical data 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 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 electrical endurance (operating cycles) at AC-15 at 230 V typical freference 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 gG active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) SYHC substance (Date) SYHC substance name minimum actuating force in directions of actuation 20 N length of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust	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 switch lead contacts of the switch lead metal contacts of the switch head metal continuous current of the C characteristic MCB of the switch lead metal continuous current of the C characteristic MCB of the switch lead metal continuous current of the DIAZED fuse link continuous current co	product type designation	3SE5
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 Pyes surplied empty enclosure with cover suitability for use safety switch Pyes surplied empty enclosure with cover suitability for use safety switch Pyes surplied data product function positive opening insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value	manufacturer's article number	
of the supplied switching contacts of the supplied empty enclosure with cover statishility for use safety switch Possibility for use safety switch product function positive opening surge voltage resistance rated value 6 kV protection class IP protec	of the supplied basic switch	3SE5122-0BA00
of the supplied empty enclosure with cover suitability for use safety switch Product function positive opening product function positive opening	 of the supplied actuator head for position switches 	3SE5000-0AB01
suitability 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 for W protection class IP shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 active in electrical endurance (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 B continuous current of the C characteristic MCB 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 width of the sensor 68 mm Ambient conditions ambient emperature d during operation d during storage avenue. 400 V Ves 100 V yes 30g / 11 ms 100 000	of the supplied switching contacts	3SE5000-0BA00
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 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 15 000 000 electrical endurance (operating cycles) typical 100 000 typical 100 000 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 DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 20 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 20 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 20 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 20 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 30 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 30 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 30 A; for a short-circuit current smaller than 400 A continuous current of the Short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 30 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 30 A; for a short-circuit current smaller than 400 A continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the C characteristic MCB 1 A; for a short-circuit current	 of the supplied empty enclosure with cover 	3SE5122-0AA00
product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value ### According to IEC 60068-2-27 **wibration 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 Characteristic MCB ### Continuous current of the QliAZED 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 ### width of the sensor ### width of the sensor ### during operation ### during operation ### during operation ### during storage ### 40 +90 °C ### according to IEC 8104e ### continuous current of during storage ### according to IEC 8104e ### according to IEC 80068-2-2 ### according to IEC 80068-2-8 ### according to IEC 80060-2-2 ### accor	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 slope according to IEC 60068-2-27 yibration 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 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 gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 37/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 485.7 mm width of the sensor 4mbient temperature 4 during operation 40 +90 °C explosion protection category for dust	General technical data	
degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP66/IP67 shock resistance	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) 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 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 limidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 48.7 mm width of the sensor 48.7 mm width of the sensor 40 uring operation • during operation • during storage • during storage • during storage 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 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 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 minimum actuating force in directions of actuation length of the sensor ### Midazolidin-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 operation -26 +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 continuous current of the DIAZED fuse link gG active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name minimum actuating force in directions of actuation length of the sensor width of the sensor width of the sensor during operation -25 +85 °C -40 +90 °C explosion protection category for dust	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 continuous current of the quick DIAZED fuse link tontinuous current of the DIAZED fuse link gG 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 Ambient conditions ambient temperature during operation eduring 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	• 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 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 6 A 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 20 N length of the sensor 85.7 mm width of the sensor 85.7 mm width of the sensor 45.7 mm width of the sensor 40 minimum actuating operation 40 during operation 40 metal 40 A 4	vibration resistance according to IEC 60068-2-6	0.35 mm/5g
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 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 20 N length of the sensor 85.7 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	mechanical service life (operating cycles) typical	15 000 000
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) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor width of the sensor ### Minimum Adminimum Admi		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 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 Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust	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 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 width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 10 A; for a short-circuit current smaller than 400 A 10 A; for a short-	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 width of the sensor 4.50 mm Ambient conditions ambient temperature o during operation -25 +85 °C o during 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 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 width of the sensor ### Ambient conditions ### ambient temperature during operation	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 20 N length of the sensor 85.7 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 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 length of the sensor 85.7 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 0.05 mm 07/01/2006 85.7 mm 96-45-7 85.7 mm 95 +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 width of the sensor Ambient conditions ambient temperature o during operation other during storage explosion protection category for dust O7/01/2006 Imidazolidin-2-thion - 96-45-7 20 N 85.7 mm 56 mm -25 +85 °C -40 +90 °C explosion protection category for dust	active principle	mechanical
SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 85.7 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	repeat accuracy	0.05 mm
minimum actuating force in directions of actuation length of the sensor 85.7 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 20 N 85.7 mm 56 mm 756 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 85.7 mm 85.7 mm 85.7 mm 64.0	SVHC substance name	Imidazolidin-2-thion - 96-45-7
width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 56 mm -25 +85 °C -40 +90 °C	minimum actuating force in directions of actuation	20 N
Ambient conditions ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust	length of the sensor	85.7 mm
ambient temperature ● during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust	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 puttaking contact	explosion protection category for dust	none
design of the switching contact mechanical	design of the switching contact	mechanical

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		
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	Rounded plunger, high-grade steel plunger	
standard-compliant actuator head	EN 50041, design B	
shape of the switch head	rounded	
design of the switching function	positive opening	
circuit principle	slow-action contacts	
number of switching contacts safety-related	1	
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=3SE5122-0BB01

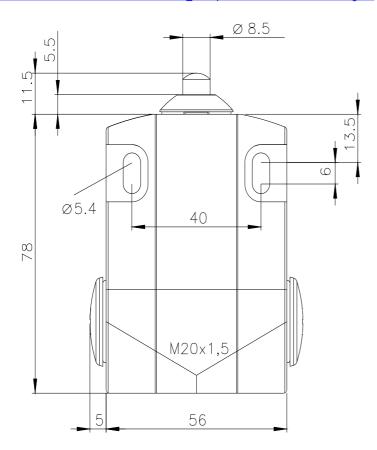
Cax online generator

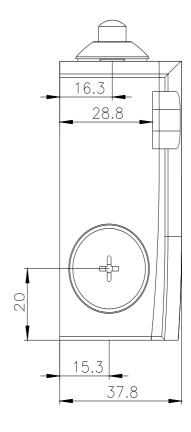
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5122-0BB01

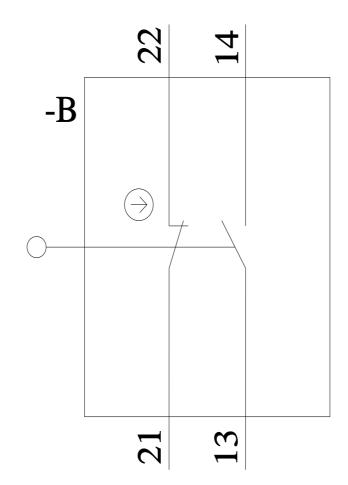
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SE5122-0BB01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5122-0BB01&lang=en







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