## **SIEMENS**

Data sheet 3SE5122-0LB01



Position switch Metal enclosure 56 mm wide Device connection 3x (M20x 1.5) 1 NO/2 NC quick action contacts Plain plunger, Metal

product type designation product type designation product type designation 35E5  **To the supplied basic switch of the supplied basic switch of the supplied subtain product for position switches of the supplied available contacts of the supplied switching contacts of the supplied switching contacts of the supplied empty enclosure with cover suitability for use safety switch  **To general technical data**  **Product function positive opening **To general data**  **product function switches**  **product function switches**  **product function switches**  **product function positive opening **Product function switches**  **product function switches**  **product function	product brand name	SIRIUS
manufacturer's article number  of the supplied basic switch  of the supplied actuator head for position switches  of the supplied actuator head for position switches  of the supplied actuator head for position switches  of the supplied empty enclosure with cover  ssE5500-01A00  suitability for use safety switch  Product function positive opening  Product function	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     suitability for use safety switch      Ceneral technical data      product function positive opening     Yes     insulation voltage rated value     degree of pollution     class 3     surge voltage resistance rated value     degree of pollution     class 9     surge voltage resistance rated value     of kV     protection class IP     shock resistance     according to IEC 60068-2-7     supplied service life (operating cycles) typical     lelectrical endurance (operating cycles) at AC-15 at 230 V     typical     thermal current     material of the enclosure of the switch head     metal arrence code according to IEC 8148-2     B     continuous current of the C characteristic MCB     ontinuous current of the quick DIAZED fuse link G     active principle     mechanical     surrent of the DIAZED fuse link G     sactive principle     mechanical     mechanical     metanical function of actuation     substance Prohibitance (Date)     SVHC substance name     minimum actuating force in directions of actuation     substance Prohibitance (Date)     SVHC substance name     minimum actuating force in directions of actuation     substance Prohibitance (Date)     substance Prohibitance (D	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     Pes  General technical data  product function positive opening     Insulation voltage rated value     degree of pollution     class 3  surge voltage resistance rated value     400 V  degree of pollution     class 19  shock resistance     • according to IEC 60068-2-27     vibration resistance according to IEC 60068-2-6     mechanical service life (operating cycles) typical     thermal current     material of the enclosure of the switch head     metal     reference code according to IEC 81346-2     bontinuous current of the C characteristic MCB     1 A; for a short-circuit current smaller than 400 A     continuous current of the DIAZED fuse link     continuous current of the DIAZED fuse link of Active principle     repeat accuracy     30.5 mm     SWHC substance Amp     minimum actuating force in directions of actuation     substance Prohibitance (Date)     SWHC substance Amp     iminimum actuating force in directions of actuation     abuling storage     400 v      33E5000-0LA00     33E5000-0LA00     700 r/2006     30E / 10E /	manufacturer's article number	
of the supplied empty enclosure with cover 35E5102-0AA00     of the supplied empty enclosure with cover 35E5122-0AA00  suitability for use safety switch Yes  General technical data  product function positive opening Yes insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6kV protection class IP IP66/IP67 shock resistance	of the supplied basic switch	3SE5122-0LA00
of the supplied empty enclosure with cover     suitability for use safety switch     Pes  General technical data  product function positive opening     Yes  insulation voltage rated value     degree of pollution     class 3 surge voltage resistance rated value     insulation class IP     protection class IP     protection class IP     shock resistance     * according to IEC 60068-2-7     insulation resistance according to IEC 60068-2-6     insulat	<ul> <li>of the supplied actuator head for position switches</li> </ul>	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 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 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 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 width of the sensor 56 mm Ambient conditions ambient emperature • during operation • during storage 40 +90 °C explosion protection category for dust	<ul> <li>of the supplied switching contacts</li> </ul>	3SE5000-0LA00
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 30g / 11 ms 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 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 continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance name Imidazolidin-2-thion - 96-45-7 width of the sensor width of the sensor show in the sensor aduring storage 40 +90 °C explosion protection category for dust	<ul> <li>of the supplied empty enclosure with cover</li> </ul>	3SE5122-0AA00
product function positive opening    Yes	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  according to IEC 60068-2-27  30g / 11 ms  vibration resistance according to IEC 60068-2-6  according to IEC 60068-2-6  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  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  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  20 N  length of the sensor  85.7 mm  width of the sensor  45.7 mm  width of the sensor  45.7 mm  width of the sensor  40 uring operation  40 uring operation  40 uring storage  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 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) at AC-15 at 230 V typical 15 000 000  thermal current 10 A material of the enclosure of the switch head metal reference code according to IEC 81345-2 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) 77/01/2006  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 85.7 mm  width of the sensor 56 mm  Ambient conditions  ambient temperature 40 uning operation -25 +85 °C 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 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 plazeD 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 width of the sensor so form which of the sensor so form Ambient conditions ambient temperature e during operation e during storage e verifications continuous none	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  thermal current 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  during operation  during storage  explosion protection category for dust  30g / 11 ms  50g / 15 000 000  1500 000  1500 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 00  100	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 gG 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 456 mm  Ambient conditions ambient temperature • during operation • during 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  6 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  width of the sensor  sensor  48.7 mm  width of the sensor  width of the sensor  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  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  tontinuous current of the quick DIAZED fuse link  tontinuous current of the pulck DIAZED fuse link  tontinuous current of the DIAZED fuse link  tontinuous 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  width of the sensor  width of the sensor  ### Ambient conditions  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### Ambient conditions  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### Ambient conditions  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### ambient temperature  ### during storage  ### current smaller than 400 A  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### ambient temperature  ### during operation  ### current smaller than 400 A  ### current sm	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) 5VHC 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 width of the sensor 56 mm  Ambient conditions ambient temperature • during operation • during storage 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  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	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 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  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-circuit curr	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  40 minimum actual temperature  oduring 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  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  O7/01/2006  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	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  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  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  85.7 mm  55 mm	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  order during - 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  -25 +85 °C  • during storage  -40 +90 °C  explosion protection category for dust	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  -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	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  none	width of the sensor	56 mm
<ul> <li>during operation</li> <li>-25 +85 °C</li> <li>during storage</li> <li>-40 +90 °C</li> <li>explosion protection category for dust</li> <li>none</li> </ul>	Ambient conditions	
● during storage -40 +90 °C  explosion protection category for dust none	ambient temperature	
explosion protection category for dust none	<ul> <li>during operation</li> </ul>	-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

onorating frequency rated value	50 60 Hz
operating frequency rated value number of NC contacts for auxiliary contacts	2
	1
number of NO contacts for auxiliary contacts	1
operational current at AC-15	C A
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	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)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
<ul> <li>for AWG cables solid</li> </ul>	1x (20 16), 2x (20 18)
<ul> <li>for AWG cables stranded</li> </ul>	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	

General Product Approval









Confirmation



General Product Approval

**Test Certificates** 

other



Type Test Certificates/Test Report

Confirmation

## Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$ 

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).

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

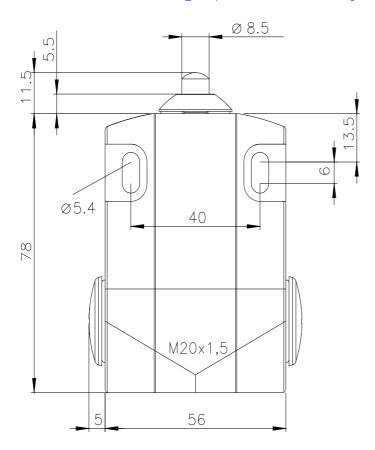
Industry Mall (Online ordering system)
<a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5122-0LB01">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5122-0LB01</a>

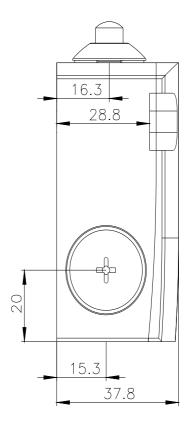
Cax online generator

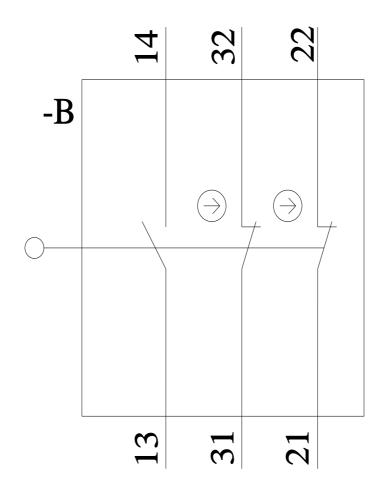
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5122-0LB01

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

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5122-0LB01&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5122-0LB01&lang=en</a>







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