## **SIEMENS**

Data sheet 3SE5122-0CH01



Position switch Metal enclosure 56 mm wide Device connection  $3x \, (M20x \, 1.5) \, 1$  NO/1 NC quick action contacts Rotary actuator right/left adjustable, with metal lever 27 mm long and plastic roller 19 mm

product type designation product type designation of the supplied basic switch of the supplied basic switch of the supplied partial power of the supplied actuator head for position switches of the supplied empty enclosure with cover systability for use safely switch of the supplied empty enclosure with cover suitability for use safely switch Yes  General technical data product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value of the voltage resistance actuated of the voltage resistance of according to IEC 60068-2-27 objection class IP IP66/IP67 shock resistance of according to IEC 60068-2-6 objectical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical for the enclosure of the switch head reference code according to IEC 81346-2 B continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the OthazED fuse link gG active principle repeat accuracy Outs and the continuous current of the DIAZED fuse link gG active principle repeat accuracy Substance Prohibitance (Date) O7/01/2006 SWHC substance name Iminimum actuating torque in directions of actuation length of the sensor 425 +85 °C during storage explosion protection category for dust none	product brand name	SIRIUS
manufacturer's article number  of the supplied basic switch  of the supplied basic switch  of the supplied declaror head for position switches  of the supplied switching contacts  of the supplied switching contacts  of the supplied switching contacts  of the supplied myty enclosure with cover  suitability for use safety switch  Yes  General technical data  product function positive opening  insulation voltage rated value  degree of pollution  class 3  surge voltage resistance rated value  degree of pollution  class 3  surge voltage resistance rated value  in the continuous class IP  shock resistance  according to IEC 60068-2-27  vibration resistance according to IEC 60068-2-6  mechanical service life (operating cycles) typical  thermal current  10 A  material of the enclosure of the switch head  reference code according to IEC 81348-2  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)  SWHC substance name  minimum actuating torque in directions of actuation  length of the sensor  ability for the sensor  of the surger of the switch head on the plastic repeat accuracy  substance name  minimum actuating torque in directions of actuation  length of the sensor  during operation  of the sensor  form  ambient conditions  ambient conditions  ambient conditions  ambient conditions  ambient conditions  ambient conditions  applied my position with case of the site of the site of the site of the conditions  as the supplied condition as the supplied condition as the condition and the conditions  as the supplied condi	product designation	Mechanical position switches
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 devirching contacts     of the supplied empty enclosure with cover     of the supplied switching contacts     of the supplied empty enclosure with cover     of the supplied empty enclosure of the switch each plastic enclosure of the switch head plastic enclosure of the 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 DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the plazed fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the biline of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the biline of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the biline of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the biline of the DIAZED fuse link 10 A; for a sh	product type designation	3SE5
of the supplied actuator head for position switches     of the supplied operating lever     of the supplied switching contacts     of the supplied switching contacts     of the supplied switching contacts     of the supplied empty enclosure with cover     sisted 122-0AQ0  suitability for use safety switch  Ves  Ceneral technical data  product function positive opening     Yes  insulation voltage rated value     degree of pollution     class 3     surge voltage resistance rated value     fet V  protection class IP     shock resistance     according to IEC 60068-2-7     single of the switch lead     electrical endurance (operating cycles) typical     thermal current     insulation resistance of the switch head     electrical of the enclosure of the switch head     reference code according to IEC 81346-2     southnous 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     Substance Prohibitance (Date)  SVHC substance name     imidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation     length of the sensor     width of the sensor     south of the sensor     south of the sensor     south of the sensor     width of the sensor     south of the sensor     south of the sensor     south of the sensor     south of the sensor     sublent temperature     southing storage	manufacturer's article number	
of the supplied operating lever     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     resident of pollution     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     active principle     insulation voltage rated value     • according to IEC 60068-2-7     insulation resistance according to IEC 60068-2-6     insulation resistance according to IEC 60068-2-7     insulation resistance according to IEC 60068-2-8     insulation resistance acc	<ul> <li>of the supplied basic switch</li> </ul>	3SE5122-0CA00
of the supplied switching contacts     of the supplied empty enclosure with cover     satisfactory 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 60068-2-7     vibration resistance according to IEC 60068-2-6     machanical service life (operating cycles) 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 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 torque in directions of actuation     length of the sensor     width of the sensor     widthing storage	<ul> <li>of the supplied actuator head for position switches</li> </ul>	3SE5000-0AH00
of the supplied empty enclosure with cover     suitability for use safety switch     Pes  Ceneral technical data  product function positive opening     insulation voltage rated value     degree of pollution     class 3     surge voltage resistance rated value     e according to IEC 60068-2-7     shock resistance     * according to IEC 60068-2-7     shock resistance conditions     insulation resistance according to IEC 60068-2-6     mechanical service life (operating cycles) typical     lelectrical endurance (operating cycles) typical     thermal current     thermal current	<ul> <li>of the supplied operating lever</li> </ul>	3SE5000-0AA01
suitability for use safety switch  Ceneral technical data  product function positive opening	<ul> <li>of the supplied switching contacts</li> </ul>	3SE5000-0CA00
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  clectrical endurance (operating cycles) typical  electrical endurance (operating cycles) 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 Quick DIAZED fuse link  continuous current of the DIAZED fuse link of Active principle  repeat accuracy  Substance Prohibitance (Date)  SYHC substance name  minimum actuating torque in directions of actuation  length of the sensor  Ambient conditions  ambient temperature  • during operation  • during storage  40 +90 °C	<ul> <li>of the supplied empty enclosure with cover</li> </ul>	3SE5122-0AA00
product function positive opening Yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value for voltage resistance rated value   P66/IP67   P66/I	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  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  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  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 - 98-45-7  minimum actuating torque in directions of actuation  length of the sensor  40 uring operation	General technical data	
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  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  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  30g / 11 ms  100 000  10	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  continuous current of the C characteristic MCB  1 A; for a short-circuit current smaller than 400 A  continuous current of the puick DIAZED fuse link  10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link gG  6 A  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  SVHC substance name  minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  you not send the sensor  127.5 mm  width of the sensor  buring storage  6 A  Ambient conditions  ambient temperature  • during operation  • during storage  6 A +90 °C	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  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link do  active principle  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  your specific of the sensor  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)  Total 2006  SVHC substance name  minimum actuating torque in directions of actuation  0.25 N·m  length of the sensor  yidth of the sensor  427.5 mm  width of the sensor  427.5 mm  width of the sensor  428.5 °C  40 +90 °C	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     o.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 active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating torque in directions of actuation length of the sensor width of the sensor solutions ambient temperature during operation during storage  -25 +85 °C during storage  -40 +90 °C	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 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 active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating torque in directions of actuation length of the sensor width of the sensor some during operation -25 +85 °C -40 +90 °C	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 plastic 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 plazed fuse link continuous current of the 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 torque in directions of actuation length of the sensor width of the sensor  127.5 mm width of the sensor  4 during operation -25 +85 °C -40 +90 °C	according to IEC 60068-2-27	30g / 11 ms
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  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  Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation  length of the sensor  vidth of the sensor  427.5 mm  width of the sensor  425 +85 °C  - during operation  -25 +85 °C  -40 +90 °C	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  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 torque in directions of actuation  length of the sensor  width of the sensor  Ambient conditions  amblent temperature  • during operation  • during storage  10 A  plastic  plastic	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 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 torque in directions of actuation length of the sensor ilength of the sensor  Mabient conditions ambient temperature during operation during storage  ylastic  lastic  1 A; for a short-circuit current smaller than 400 A  0 A  0 A  0 A  0 A  0 A  0 A  0		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 torque in directions of actuation  length of the sensor  width of the sensor  Ambient conditions  ambient temperature  • during operation  • during storage  40 +90 °C	thermal current	10 A
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  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation  length of the sensor  127.5 mm  width of the sensor  425 +85 °C  40 uring storage  -40 +90 °C	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 torque in directions of actuation  length of the sensor  width of the sensor  width of the sensor  427.5 mm  width of the sensor  427.5 mm  Ambient conditions  ambient temperature  • during operation  -25 +85 °C  -40 +90 °C	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) 07/01/2006  SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating torque in directions of actuation 0.25 N·m  length of the sensor 127.5 mm width of the sensor 56 mm  Ambient conditions  ambient temperature  • during operation -25 +85 °C  • during storage -40 +90 °C	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 torque in directions of actuation 0.25 N·m  length of the sensor 127.5 mm width of the sensor 56 mm  Ambient conditions  ambient temperature  • during operation -25 +85 °C  • during storage -40 +90 °C	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 torque in directions of actuation  length of the sensor  vidth of the sensor  Ambient conditions  ambient temperature  • during operation  • during storage  0.05 mm  127.5 mm  127.5 mm  -25 +85 °C  -40 +90 °C	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation  length of the sensor  127.5 mm  width of the sensor  56 mm  Ambient conditions  ambient temperature  • during operation  • during storage  -25 +85 °C  -40 +90 °C	active principle	mechanical
SVHC substance name  minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  Ambient conditions  ambient temperature  o during operation  during storage  lmidazolidin-2-thion - 96-45-7  0.25 N·m  127.5 mm  56 mm  -25 +85 °C  -40 +90 °C	repeat accuracy	0.05 mm
minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  Ambient conditions  ambient temperature  • during operation  • during storage  -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  127.5 mm  56 mm  -25 +85 °C  -40 +90 °C	SVHC substance name	Imidazolidin-2-thion - 96-45-7
width of the sensor  Ambient conditions  ambient temperature  • during operation  • during storage  -25 +85 °C  -40 +90 °C	minimum actuating torque in directions of actuation	0.25 N·m
Ambient conditions  ambient temperature  • during operation • during storage  -25 +85 °C  -40 +90 °C	length of the sensor	127.5 mm
ambient temperature	width of the sensor	56 mm
<ul> <li>during operation</li> <li>during storage</li> <li>-25 +85 °C</li> <li>-40 +90 °C</li> </ul>	Ambient conditions	
• during storage -40 +90 °C	ambient temperature	
	<ul><li>during operation</li></ul>	
explosion protection category for dust none	during storage	-40 +90 °C
	explosion protection category for dust	none

General Product Approval		Functional Safety/Safety of M
Certificates/ approvals		
design of the interface	without	
Communication/ Protocol		
design of the interface for safety-related communication	without	
for AWG cables stranded	1x (20 16), 2x (20 18)	
• for AWG cables solid	1x (20 16), 2x (20 18)	
finely stranded with core end processing	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)	
solid	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)	
type of electrical conflection	on overtype terminals	
type of electrical connection	screw-type terminals	
connections/ Terminals	Solew likiling	
mounting position fastening method	screw fixing	
	anv	
nstallation/ mounting/ dimensions	OA (19120 A 1.0)	
cable entry type	3x (M20 x 1.5)	
circuit principle number of switching contacts safety-related	snap-action contacts 1	
design of the switching function	positive opening	
shape of the switch head	roller	
standard-compliant actuator head		
design of the actuating element	Twist lever, metal lever, 27 mm long, step 9 mm, plastic roller 19 mm  EN 50041, design A	
	Twist lover metal lover 27 mm long stop 0 mm plastic	rollor 10 mm
rive Head	INO	_
design of the housing according to standard	No	
coating of the enclosure	cathodic dip coating	
material of the enclosure	metal	
design of the housing	block, wide	
nclosure	0.12 A	_
at 400 V rated value	0.27 A 0.12 A	
at 125 V rated value     at 250 V rated value	0.55 A 0.27 A	
at 125 V rated value     at 125 V rated value	0.55 A	
at 24 V rated value	3 A	
operational current at DC-13	***	
at 240 V rated value     at 400 V rated value	6 A 4 A	
at 125 V rated value	6 A	
• at 24 V rated value	6 A	
operational current at AC-15		
number of NO contacts for auxiliary contacts	1	
number of NC contacts for auxiliary contacts		
operating frequency rated value	50 60 Hz	
design of the switching contact		

Functional Safety/Safety of Machinery





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).

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

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).

## 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=3SE5122-0CH01

## Cax online generator

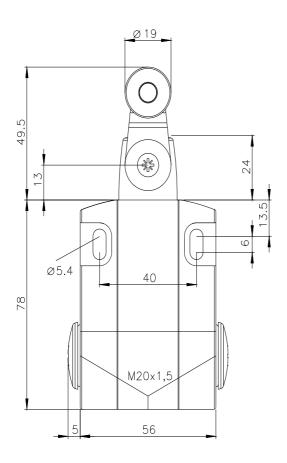
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5122-0CH01

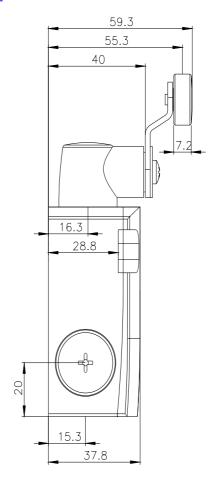
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

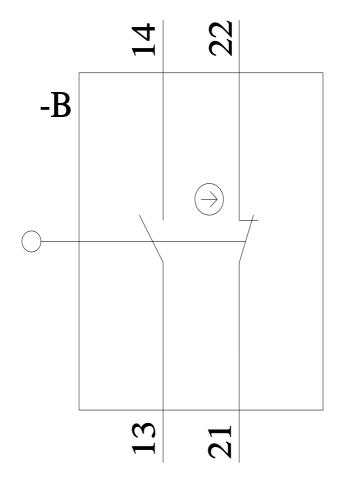
https://support.industry.siemens.com/cs/ww/en/ps/3SE5122-0CH01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5122-0CH01&lang=en







last modified: 9/5/2023 🖸