## **SIEMENS**

Data sheet 3SE5212-0CK60



Position switch Metal enclosure according to EN 50047, 31 mm Device connection 1 x (M20 x 1.5) 1 NO/1 NC quick action contacts adjustable-length twist lever with positive fit (grid hole) right/left adjustable with plastic roller 19 mm

product type designation product type designation anufacturer's article number  • 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 switching contacts • of the supplied switching contacts • of the supplied gently enclosure with cover • stability for use safety switch  Product function positive opening Product function	product brand name	SIRIUS
manufacturer's article number  of the supplied actuator head for position switches of the supplied severating lever of the supplied switching contacts of the supplied mpty enclosure with cover 35E5212.0AC05  suitability for use safety switch  Ves  General technical data  product function positive opening Yes insulation voltage rated value degree of pollution class IP surge voltage resistance rated value feyre of pollution surge voltage resistance rated value of kV protection class IP IP66/IP67  shock resistance o according to IEC 60068-2-27 30g / 11 ms  vibration resistance o according to IEC 60068-2-27 30g / 11 ms  vibration resistance o according to IEC 60068-2-5 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current naterial 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 G 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 torque in directions of actuation length of the sensor width of the sensor all minum actuating torque in directions of actuation length of the sensor during operation - during operation	product designation	Mechanical position switches
of the supplied actuator head for position switches of the supplied operating lever of the supplied switching contacts suitability for use safety switch  Yes  Control technical data  Product function positive opening Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value  ### Autorition of the Search of the Search of Search of Search Office (Search of Search Office)  ### 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 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 Characteristic MCB  **Ontinuous current of the QIAZED fuse link gG  **active principle repeat accuracy  **Ontinuous current of the DIAZED fuse link gG  **Substance Prohibitance (Date)  **Office (Date)  **Office (SP) Nrm    Indiazolidin-2-thion - 98-45-7   Indiazolidin-2-thion - 9	product type designation	3SE5
of the supplied operating lever     of the supplied switching contacts     of the supplied empty enclosure with cover     suitability for use safety switch     ves  General technical data  product function positive opening     insulation voltage rated value     degree of pollution     degree of pollution     dess 3     surge voltage resistance rated value     of k/V  protection class IP     shock resistance     according to IEC 60068-2-27     sold yill ms  vibration resistance     according to IEC 60068-2-27     vibration resistance     according to IEC 60068-2-28     mechanical service IIfe (operating cycles) stypical     electrical endurance (operating cycles) at AC-15 at 230 V typical     olication 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 QLAZED fuse link     Continuous current of the QLAZED fuse link gG     6 A     active principle     mechanical     repeat accuracy     0.05 mm     substance name     iminidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation     0.25 N·m  length of the sensor     31 mm  Ambient temperature     during operation     -25+85 °C     -40+90 °C	manufacturer's article number	
of the supplied switching contacts     of the supplied empty enclosure with cover     suttability for use safety switch     Product function positive opening     product function	<ul> <li>of the supplied actuator head for position switches</li> </ul>	3SE5000-0AK00
of the supplied empty enclosure with cover     suitability for use safety switch     Product function positive opening     Product function positive opening     Insulation voltage rated value     degree of politution     dass 3     surge voltage resistance rated value     delv     protection class IP     protection class IP     protection class IP     shock resistance	<ul> <li>of the supplied operating lever</li> </ul>	3SE5000-0AA60
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 shock resistance	<ul> <li>of the supplied switching contacts</li> </ul>	3SE5000-0CA00
product function positive opening   Yes     Insulation voltage rated value   400 V     degree of pollution     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 60068-2-27   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   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 Quick DIAZED fuse link   10 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 Quick DIAZED fuse link   10 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 Quick DIAZED fuse link   10 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 Quick DIAZED fuse link   10 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 Quick DIAZED fuse link   10 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 Quick DIAZED fuse link   10 A; for a short-circuit	<ul> <li>of the supplied empty enclosure with cover</li> </ul>	3SE5212-0AC05
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  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  material of the enclosure of the switch head  reference code according to IEC 81346-2  B  continuous current of the C characteristic MCB  continuous current of the Quick DIAZED fuse link  continuous current of the Quick DIAZED fuse link  continuous current of the DIAZED fuse link G  continuous current of the DIAZED fuse link G  active principle  mechanical  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  limidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  4 buring operation  • during storage  4 our - 490 °C  4 our - 490 °C	suitability for use safety switch	Yes
insulation voltage rated value  degree of pollution  class 3 surge voltage resistance rated value  protection class IP shock resistance  according to IEC 60068-2-27  30g / 11 ms  vibration resistance  according to IEC 60068-2-6  mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current  10 A material of the enclosure of the switch head 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 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 torque in directions of actuation length of the sensor 182 mm width of the sensor 182 mm width of the sensor 4 mblent conditions ambient temperature during operation during storage 4 during storage  40 use SR SR SR C 4 actual sq SR SR C 4 actual sq SR SR C 4 actual sq SR SR SR C 4 actual sq SR SR SR C 4 actual sq SR	General technical data	
degree of pollution  surge voltage resistance rated value  brotection 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  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 QG 6 A  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 0.25 N·m  length of the sensor 182 mm width of the sensor 182 mm width of the sensor 4 mbient conditions  ambient temperature  during operation - 45 +85 °C - 40 +90 °C	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 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 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 torque in directions of actuation 0.25 N·m length of the sensor 31 mm  Ambient conditions  ambient temperature • during operation • during storage  40 +90 °C	insulation voltage rated value	400 V
protection class IP shock resistance • according to IEC 60068-2-27 30g / 11 ms  vibration resistance • according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head 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 puick 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) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating torque in directions of actuation 10 25 N·m length of the sensor 31 mm Ambient conditions  ambient temperature • during operation • during storage 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 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 pulck DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G 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 182 mm width of the sensor 182 mm Ambient conditions  ambient temperature oduring operation -25 +85 °C -40 +90 °C	protection class IP	IP66/IP67
vibration resistance	shock 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  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  Substance Prohibitance (Date)  SYHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  ambient temperature  • during operation  • during storage  15 000 000  100 0	• according to IEC 60068-2-27	30g / 11 ms
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 quick DIAZED fuse link continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link G 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 182 mm width of the sensor 31 mm  Ambient conditions  ambient temperature e during operation e during storage 40 +90 °C	vibration resistance	
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 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  182 mm  width of the sensor  31 mm  Ambient conditions  ambient temperature  • during operation  • during storage  40 +90 °C	• 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  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  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  31 mm  Ambient conditions  ambient temperature  • during operation  • during storage  40 +85 °C  -40 +90 °C	mechanical service life (operating cycles) typical	15 000 000
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)  SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation  length of the sensor  il 82 mm  width of the sensor  31 mm  Ambient conditions  ambient temperature  • during operation  • during storage  • during storage		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  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  SYHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation  length of the sensor  182 mm  width of the sensor  31 mm  Ambient conditions  ambient temperature  • during operation  • during storage  -40 +90 °C	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 torque in directions of actuation  length of the sensor  width of the sensor  31 mm  Ambient conditions  ambient temperature  • during operation  • during storage  1 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 torque in directions of actuation length of the sensor width of the sensor 31 mm  Ambient conditions ambient temperature o during operation output of the sensor output of the sensor ambient sensor ambient sensor output of the sensor ambient sensor output of the sensor output of the sensor ambient sensor output of the sensor outp	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 182 mm width of the sensor 31 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 182 mm  width of the sensor 31 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  width of the sensor  Ambient conditions  ambient temperature  • during operation  • during storage  0.05 mm  0.701/2006  1midazolidin-2-thion - 96-45-7  0.25 N·m  182 mm  31 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  in the sensor  width of the sensor  Ambient conditions  ambient temperature  of during operation  during storage  or on/01/2006  Imidazolidin-2-thion - 96-45-7  0.25 N·m  182 mm  31 mm  -25 +85 °C  -40 +90 °C	active principle	mechanical
SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating torque in directions of actuation  length of the sensor  indicated a substance name  182 mm  31 mm  Ambient conditions  ambient temperature  of during operation  during storage  Imidazolidin-2-thion - 96-45-7  0.25 N·m  182 mm  31 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  -25 +85 °C  • during storage  -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  182 mm  31 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	182 mm
ambient temperature  • during operation  • during storage  -25 +85 °C  -40 +90 °C	width of the sensor	31 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	
3	<ul> <li>during operation</li> </ul>	-25 +85 °C
explosion protection category for dust none	during storage	-40 +90 °C
	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	1
number of NO contacts for auxiliary contacts	1
operational current at AC-15	-
• at 24 V rated value	6 A
	6 A
at 120 V rated value     at 240 V rated value	
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, narrow
material of the enclosure	metal
coating of the enclosure	cathodic dip coating
design of the housing according to standard	Yes
Drive Head	<u> </u>
design of the actuating element	Adjustable twist lever, adjustable-length metal lever with positive fit, 100 mm long, plastic roller 19 mm
standard-compliant actuator head	EN 50047, design A
shape of the switch head	roller
design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	1
cable entry type	1x (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	







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).

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=3SE5212-0CK60

Cax online generator

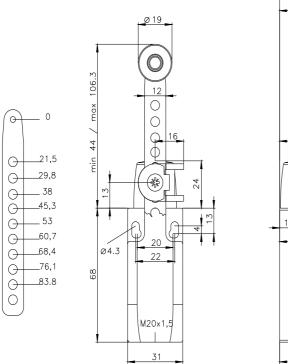
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5212-0CK60

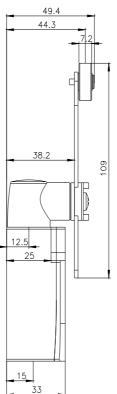
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

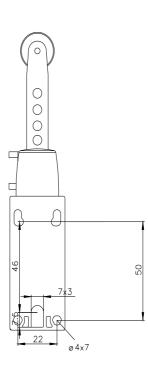
https://support.industry.siemens.com/cs/ww/en/ps/3SE5212-0CK60

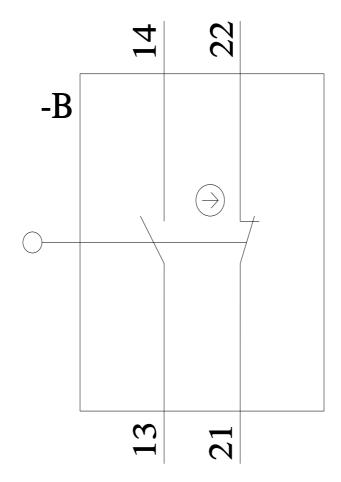
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5212-0CK60&lang=en









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