## **SIEMENS**

Data sheet 3SE5122-0BH60



Position switch Metal enclosure 56 mm wide Device connection 3x (M20x 1.5) 1 NO/1 NC slow-action contacts Rotary actuator right/left adjustable, with adjustable-length metal lever 100 mm long and with positive fit (grid hole) 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 actuator head for position switches of the supplied actuator head for position switches of the supplied designating lever of the supplied empty enclosure with cover statistic for use safety switch of the supplied empty 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 of kV  protection class IP shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical andurance (operating cycles) typical flammaturial of the enclosure of the switch head reference code according to IEC 81346-2 Becontinuous current of the quick DIAZED fuse link continuous current of the Characteristic MCB Active principle repeat accuracy Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor Ambient conditions ambient temperature during storage violage praton -25 +85 °C -40 +90 °C -40	product brand name	SIRIUS
manufacturer's article number  of the supplied basic switch  of the supplied desic switch  of the supplied cutator head for position switches  of the supplied switching contacts  of the supplied contacts  of the supplied switching contacts  of the supplied contacts  o	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 devertibing contacts     of the supplied empty enclosure with cover     of the supplied empty enclosure of the switch head plasts     of the supplied empty enclosure of the switch head plasts     reference code according to IEC 60068-2-2     ontinuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A     continuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A     continuous current of the DIAZED fuse link 2 Active principle 2 Active principle 3 Active	product type designation	3SE5
of the supplied actuator head for position switches     of the supplied operating lever     of the supplied operating lever     of the supplied operating lever     of the supplied operating contacts     of the supplied empty enclosure with cover     states and the supplied operating to the supplied operating of the supplied operating of the supplied operating operating operation of the supplied operating operation operating operation ope	manufacturer's article number	
of the supplied operating lever     of the supplied switching contacts     of the supplied empty enclosure with cover     sustability for use safety switch     respect to the supplied empty enclosure with cover     sustability for use safety switch     respect to the supplied empty enclosure with cover     sustability for use safety switch     respect to the supplied empty enclosure with cover     surger to the supplied empty enclosure with cover     surger voltage rated value     degree of pollution     dass 3     surger voltage resistance rated value     protection class IP     insolation voltage rated value     o	<ul> <li>of the supplied basic switch</li> </ul>	3SE5122-0BA00
of the supplied switching contacts     of the supplied empty enclosure with cover     suitability for use safety switch  Product function positive opening  Product function positive of the support function opening  Product function positive opening  Produc	<ul> <li>of the supplied actuator head for position switches</li> </ul>	3SE5000-0AH00
of the supplied empty enclosure with cover     subtability for use safety switch     Pes     product function positive opening	<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 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 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) 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 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 Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse l	<ul> <li>of the supplied switching contacts</li> </ul>	3SE5000-0BA00
General technical data  product function positive opening  insulation voltage rated value  degree of pollution  surge voltage resistance rated value  6 kV  protection class IP  shock resistance  a according to IEC 60068-2-27  vibration resistance according to IEC 60068-2-6  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) typical  thermal current  10 A  material of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the Quick DIAZED fuse link  continuous current of the DIAZED fuse link G  active principle  repeat accuracy  Substance Prohibitance (Date)  minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  short continuous  surrent of the sensor  width of the sensor  short conditions  ambient conditions  ambient temperature  during operation  during storage  -40 +90 °C  explosion protection category for dust	of the supplied empty enclosure with cover	3SE5122-0AA00
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) at AC-15 at 230 V typical 100 000 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 DIAZED fuse link Continuous current of the DIAZED fuse link GG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 56 mm Ambient conditions ambient temperature e during operation -25 +85 °C eduring storage -40 +90 °C explosion protection category for dust	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 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 duick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor  width of the sensor  Ambient conditions ambient temperature e during operation e during operation e during operation e during operation e during storage e 40 +90 °C explosion protection category for dust	General technical data	
degree of pollution  surge voltage resistance rated value  protection class IP  shock resistance  according to IEC 60068-2-27  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  thermal current  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  Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor  during speration  during sporage  during operation  during storage explosion protection category for dust	product function positive opening	Yes
surge voltage resistance rated value  protection class IP  shock resistance  • according to IEC 60068-2-27  vibration resistance according to IEC 60068-2-6  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V  typical  thermal current  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 do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link do 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  continu	insulation voltage rated value	400 V
protection class IP shock resistance • according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head reference code according to IEC 81346-2 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 for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link go active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor 192 mm width of the sensor 4 mbient conditions ambient temperature e during operation e during storage e vaplosion protection category for dust	degree of pollution	class 3
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 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 gG active principle mechanical repeat accuracy 0.05 mm  Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor 192 mm width of the sensor 56 mm  Ambient conditions ambient temperature during operation -25 +85 °C during storage explosion protection category for dust	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 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 DIAZED fuse link 10 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) minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor  4mbient conditions  ambient temperature during operation -25 +85 °C during storage -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  material of the enclosure of the switch head  reference code according to IEC 81346-2  B  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link  continuous current of the DIAZED fuse link  continuous current of the DIAZED fuse link of A  active principle  repeat accuracy  Substance Prohibitance (Date)  minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  Ambient conditions  ambient temperature  e during operation  -25 +85 °C  -40 +90 °C  explosion protection category for dust	shock resistance	
mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 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 quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor 40 during operation during storage explosion protection category for dust	• according to IEC 60068-2-27	30g / 11 ms
electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current  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  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  Substance Prohibitance (Date)  minimum actuating torque in directions of actuation  length of the sensor  vidth of the sensor  40 mm  Ambient conditions  ambient temperature  • during operation  • during storage  explosion protection category for dust	vibration resistance according to IEC 60068-2-6	0.35 mm/5g
thermal current  material of the enclosure of the switch head  reference code according to IEC 81346-2  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)  minimum actuating torque 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  plastic  plastic  10 A  plastic  plastic  10 A  10	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) minimum actuating torque in directions of actuation length of the sensor width of the sensor 192 mm width of the sensor 4 during operation -25 +85 °C -40 +90 °C explosion protection category for dust		100 000
reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  active principle  repeat accuracy  Substance Prohibitance (Date)  minimum actuating torque 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  1 A; for a short-circuit current smaller than 400 A  1 A; for a short-circuit current smaller than	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  6 A  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  40 mm  Ambient conditions  ambient temperature  during operation  -25 +85 °C  -40 +90 °C  explosion protection category for dust	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) minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor 40 minimum  Ambient conditions  ambient temperature of during operation during storage explosion protection category for dust  10 A; for a short-circuit current smaller than 400 A  6 A  mechanical 0.05 mm 0.7/01/2006 0.25 N·m 192 mm  56 mm  -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) 07/01/2006 minimum actuating torque in directions of actuation 0.25 N·m  length of the sensor 192 mm  width of the sensor 56 mm  Ambient conditions  ambient temperature  • during operation -25 +85 °C  • during storage -40 +90 °C explosion protection category for dust	continuous current of the 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 minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 192 mm width of the sensor 56 mm  Ambient conditions  ambient temperature  • during operation -25 +85 °C  • during storage -40 +90 °C explosion protection category for dust	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
repeat accuracy  Substance Prohibitance (Date)  minimum actuating torque in directions of actuation  length of the sensor  width of the sensor  form  Ambient conditions  ambient temperature  oduring operation  during storage  explosion protection category for dust  onumber 20.05 mm  0.25 N·m  192 mm  56 mm  -25 +85 °C  -40 +90 °C  explosion protection category for dust	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date)  minimum actuating torque in directions of actuation  length of the sensor  vidth of the sensor  Ambient conditions  ambient temperature  during operation  during storage  explosion protection category for dust  0.25 N·m  192 mm  56 mm  -25 +85 °C  -40 +90 °C  explosion protection category for dust	active principle	mechanical
minimum actuating torque in directions of actuation  length of the sensor  192 mm  width of the sensor  56 mm  Ambient conditions  ambient temperature  • during operation  • during storage  explosion protection category for dust  0.25 N·m  192 mm  -6 mm  -7 mm	repeat accuracy	0.05 mm
length of the sensor  width of the sensor  56 mm  Ambient conditions  ambient temperature  • during operation • during storage • during storage  explosion protection category for dust  192 mm  56 mm  -25 +85 °C  -40 +90 °C	Substance Prohibitance (Date)	07/01/2006
width of the sensor  Ambient conditions  ambient temperature  • during operation  • during storage  • during storage  explosion protection category for dust  • one	minimum actuating torque in directions of actuation	0.25 N·m
Ambient conditions  ambient temperature  • during operation  • during storage  • during storage  explosion protection category for dust  -25 +85 °C  -40 +90 °C  explosion protection category for dust	length of the sensor	192 mm
ambient temperature	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	during operation	-25 +85 °C
	during storage	-40 +90 °C
design of the switching contact mechanical	explosion protection category for dust	none
	design of the switching contact	mechanical

operating frequency rated value	50 60 Hz	
number of NC contacts for auxiliary contacts	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		
<ul> <li>at 24 V rated value</li> </ul>	3 A	
at 125 V rated value	0.55 A	
at 250 V rated value	0.27 A	
<ul> <li>at 400 V rated value</li> </ul>	0.12 A	
nclosure		
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	
rive Head		
design of the actuating element	Adjustable twist lever, adjustable-length metal lever with latching, plastic 19 mm	roller
standard-compliant actuator head	EN 50041, design A	
shape of the switch head	roller	
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)	
nstallation/ 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)	
• for AWG cables solid	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	
Sertificates/ approvals		
General Product Approval	Functional Safety/Safety	v of M

General Product Approval

Functional Safety/Safety of Machinery





Confirmation





Type Examination Certificate

**Declaration of Conformity** 

**Test Certificates** 

other





Type Test Certificates/Test Report

Confirmation

Further informatior

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,...)

Industry Mall (Online ordering system)

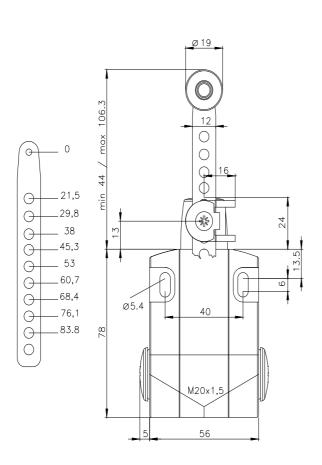
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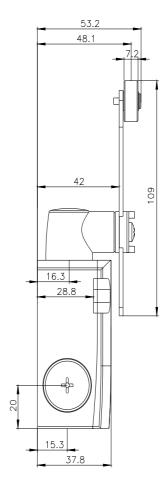
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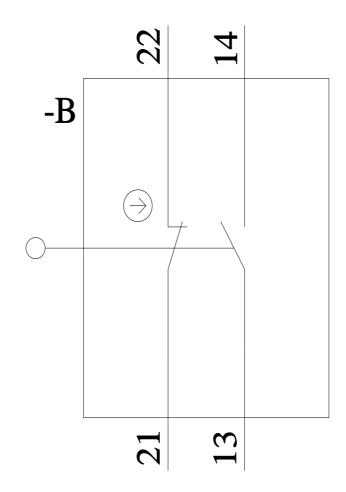
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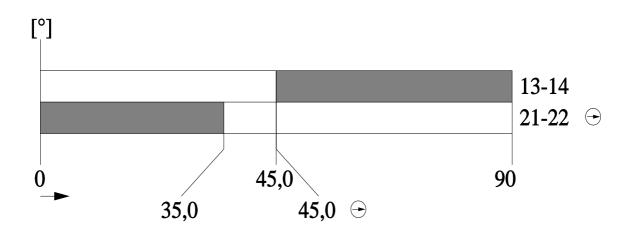
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5122-0BH60

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5122-0BH60&lang=en









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