SIEMENS

Data sheet 3SE5112-0CH24



Position switch Metal enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC quick action contacts Rotary actuator right/left adjustable, Metal lever 30 mm long, straight with plastic roller 19 mm Roller can be mounted on cover (rotated by 180°, rear of lever)

product type designation product type designation 3SES **Total Common State S	product brand name	SIRIUS
product type designation manufacturer's article number of the supplied sciustich 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 operating lever of the supplied switch gorantes of the supplied operating lever of the supplied switch gorantes of the supplied empty enclosure with cover suitability for use safety switch Product function positive opening product function positive opening product function positive opening product function positive opening surge voltage resistance rated value of key of the supplied switch of keys or total state product function positive opening surge voltage resistance rated value of kiv or total state or surge voltage resistance rated value of kiv or total state or succording to IEC 60068-2-6 or succording to IEC 60068-2-6 or substance or succording to IEC 60068-2-6 or substance or succording to IEC 60068-2-6 or substance according to IEC	product designation	Mechanical position switches
of the supplied basic switch of the supplied actuator head for position switches of the supplied perating lever of the supplied switching contacts of the supplied empty enclosure with cover stability for use safety switch of the supplied perating ever of the supplied switching contacts suitability for use safety switch of the supplied empty enclosure with cover suitability for use safety switch of the supplied empty enclosure with cover suitability for use safety switch of the supplied empty enclosure with cover suitability for use safety switch of the supplied empty enclosure with cover suitability for use safety switch of the supplied empty enclosure with cover suitability for use safety switch of the supplied empty enclosure with cover suitability for use safety switch of the supplied empty enclosure with cover suitability for use safety switch of the supplied empty enclosure with cover suitability for use safety switch of the supplied empty enclosure with cover suitability for use safety switch of the supplied empty enclosure of the during enclosure of the switch and plastic reference code according to IEC 80068-2-6 ontinuous current of the Characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage • during operation • during storage • during storage • active principlic explosion protection category for dust	product type designation	
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 switching contacts of the supplied switching contacts size5000-0AA04 of the supplied switching contacts of the supplied switching contacts size5000-0AA00 suitability for use safety switch Yes Ceneral technical data Product function positive opening product function positive opening yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value fere of pollution class IP profection class IP profecti	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 Yes General technical data product function positive opening Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value ### PROFILE CHARGE ### PROFILE	of the supplied basic switch	3SE5112-0CA00
of the supplied empty enclosure with cover of the supplied empty enclosure with cover suitability for use safety switch General technical data product function positive opening product function positive opening yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP product function positive opening yes protection class IP profection class IP profectio	 of the supplied actuator head for position switches 	3SE5000-0AH00
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 Surge voltage resistance rated value 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 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head 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 puick DIAZED fuse link 0 A; for a short-circuit current smaller than 400 A continuous current of the puick DIAZED fuse link 0 O.55 mm Substance Prohibitance (Date) 7/01/2006 minimum actuating torque in directions of actuation 10 A; for a short-circuit current smaller than 400 A continuous current of the short of the puick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the short of the DIAZED fuse link of A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 7/01/2006 minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 40 mm Ambient conditions ambient temperature 4 during operation 4 during gorage 40 +90 °C	 of the supplied operating lever 	3SE5000-0AA24
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 degree of pollution class 1P protection class IP protection class IP 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 clectrical endurance (operating cycles) typical clectrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head 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 plazeD fuse link gG 6 A cutive principle repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor widting storage -40 +90 °C evplosion protection category for dust	 of the supplied switching contacts 	3SE5000-0CA00
product function positive opening Yes Insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP66/IP67 shock resistance according to IEC 60068-2-27 30g / 11 ms vibration resistance according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical 15 000 000 electrical endurance (operating cycles) typical 200 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 30 AC-15 at	 of the supplied empty enclosure with cover 	3SE5112-0AA00
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 insulation resistance according to IEC 60068-2-6 according to IEC 60068-2-6 insulation resistance according to IEC 60068-2-7 insulation resistance according to IEC 60068-2-6 insulation resistance (operating cycles) typical 10 0000000000000000000000000000000000	General technical data	
degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP66/IP67 shock resistance	product function positive opening	Yes
surge voltage resistance rated value protection class IP shock resistance • according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) 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 DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link only active principle repeat accuracy 0.05 mm 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 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 electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head 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 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 0.25 N·m length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage 40 +90 °C explosion protection category for dust	degree of pollution	class 3
shock resistance	surge voltage resistance rated value	6 kV
* according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 o.35 mm/5g mechanical service life (operating cycles) typical lelectrical 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 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 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust none	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 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 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) 07/01/2006 minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 40 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 10 A material of the enclosure of the switch head reference code according to IEC 81346-2 B continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the plazed 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 width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 10 A	• 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 tontinuous current of the Quick DIAZED fuse link continuous current of the puick DIAZED fuse link tontinuous current of the DIAZED fuse link continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 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 thermal current atternal current thermal current atternal of the enclosure of the switch head plastic reference code according to IEC 81346-2 continuous current of the C characteristic MCB tontinuous current of the quick DIAZED fuse link continuous current of the quick DIAZED fuse link tontinuous current of the DIAZED fuse link gG active principle repeat accuracy 3ubstance Prohibitance (Date) minimum actuating torque 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 has a current of the switch head plastic 10 A And the sensor- 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 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) minimum actuating torque in directions of actuation length of the sensor width of the sensor 40 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) minimum actuating torque in directions of actuation length of the sensor identifications ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 1 A; for a short-circuit current smaller than 400 A 0 A 10 A; for a short-circuit current smaller than 400 A 0 A 10 A; for a short-circuit current smaller than 400 A 10	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) minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor 40 mm 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	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 mm Ambient conditions ambient temperature	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 130.5 mm width of the sensor 40 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 130.5 mm width of the sensor 40 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 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 0.05 mm 0.25 N·m 130.5 mm 40 mm 40 mm	continuous current of the DIAZED fuse link gG	6 A
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 • during storage explosion protection category for dust 0.25 N·m 40 mm 40 mm	active principle	mechanical
minimum actuating torque in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 0.25 N·m 40 mm 40 mm	repeat accuracy	0.05 mm
length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 130.5 mm 40 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 explosion protection category for dust 40 mm -25 +85 °C -40 +90 °C explosion protection category for dust	minimum actuating torque in directions of actuation	0.25 N·m
Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust -25 +85 °C -40 +90 °C explosion protection category for dust	length of the sensor	130.5 mm
ambient temperature	width of the sensor	40 mm
 during operation during storage 40 +90 °C explosion protection category for dust none 	Ambient conditions	
● during storage -40 +90 °C explosion protection category for dust none	ambient temperature	
explosion protection category for dust none	 during operation 	-25 +85 °C
	during storage	-40 +90 °C
design of the 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				
at 24 V rated value	3 A			
 at 125 V rated value 	0.55 A	0.55 A		
 at 250 V rated value 	0.27 A	0.27 A		
• at 400 V rated value	0.12 A	0.12 A		
Enclosure				
design of the housing	block, narrow	block, narrow		
material of the enclosure	metal			
coating of the enclosure	cathodic dip coating			
design of the housing according to standard	Yes			
Drive Head				
design of the actuating element	Twist lever, metal lever, 30 mm long, straight, plastic ro	Twist lever, metal lever, 30 mm long, straight, plastic roller 19 mm		
standard-compliant actuator head	EN 50041, 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)			
 finely stranded with core end processing 	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)			
 for AWG cables solid 	1x (20 16), 2x (20 18)			
 for AWG cables stranded 	1x (20 16), 2x (20 18)			
design of the interface for safety-related communication	without			
Communication/ Protocol				
design of the interface	without			
Certificates/ approvals				
General Product Approval		Functional Safety/Safety of Ma- chinery		



Confirmation







Type Examination Certificate

Declaration of Conformity

Test Certificates

other



Type Test Certificates/Test Report

Confirmation

Further information

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

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0CH24

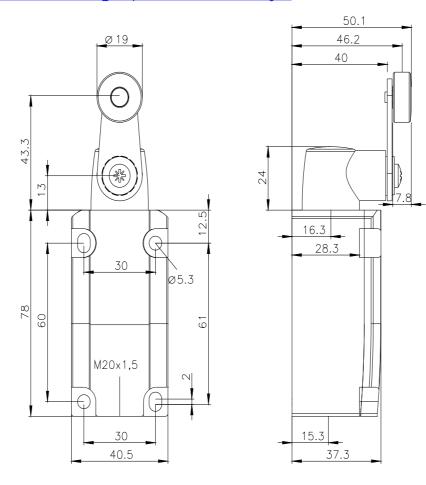
Cax online generator

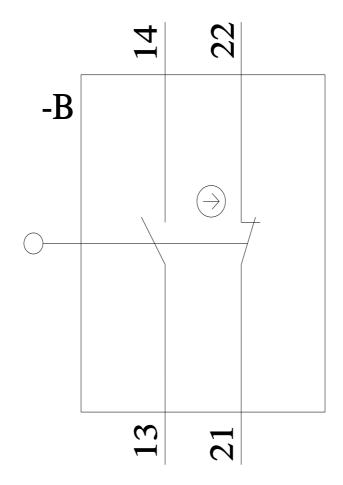
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CH24

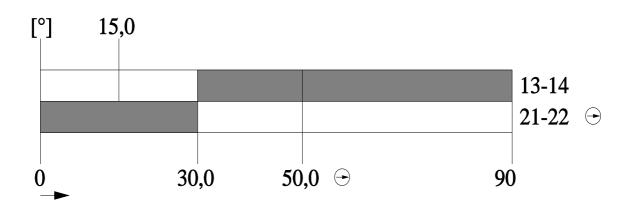
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0CH24

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CH24&lang=en







last modified: 1/26/2022 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3SE51120CH24