SIEMENS

Data sheet 3SE5112-0CH02



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 27 mm long and stainless steel roller 19 mm

product type designation product type designation of the supplied basic switch of the supplied basic switch of the supplied pactuator head for 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 switching contacts of the supplied empty enclosure with cover statement of the supplied person of the switch head plassing of the switch head plassing of the switch head plassing person of the switch place fluse link go for a short-circuit current smaller than 400 A continuous current of the Characteristic MCB of A for a short-circuit current smaller than 400 A continuous current of the switch place fluse link go for a short-circuit current smaller than 400 A continuous current of the son of the switch place of the switch person of the switch son of actuation of the son of the switch son of actuation of the son of the switch son of actuation of the switch son of the switch son of actuation of the switch son of the switch	product brand name	SIRIUS
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of the supplied empty enclosure with cover 38E5112-0AA00 suitability for use safety switch Yes Ceneral technical data 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 60068-2-7 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 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 Q characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 70701/2006 minimum actuating torque in directions of actuation 0.25 N m length of the sensor 40 mm Ambient conditions ambient temperature • during operation - 25 +85 °C • during operation • during storage - 40 +90 °C explosion protection category for dust	 of the supplied actuator head for position switches 	3SE5000-0AH00
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 6 kV protection class IP shock resistance * according to IEC 60068-2-77 substance acvording to IEC 60068-2-64 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical thermal current material of the enclosure of the switch head plastic reference code according to IEC 81346-2 sontinuous 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 mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor during storage -40 +90 °C explosion protection category for dust	 of the supplied operating lever 	3SE5000-0AA02
suitability for use safety switch General technical data product function positive opening	 of the supplied switching contacts 	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 a cacording 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) 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 0 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 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 plick 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 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 short of the sensor 0.05 mm Substance Prohibitance (Date) 0.701/2006 minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 40 mm Ambient conditions ambient temperature eluding operation -25 +85 °C explosion protection category for dust	of the supplied empty enclosure with cover	3SE5112-0AA00
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 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 G 6 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 40 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
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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 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 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 0.25 N·m length of the sensor 40 mm Ambient conditions ambient temperature e during operation -25 +85 °C e during storage -40 +90 °C explosion 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 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 mm Ambient conditions ambient temperature during operation -25 +85 °C during storage -40 +90 °C 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 thermal current the enclosure of the switch head reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle repeat accuracy Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor able to during operation during storage explosion protection category for dust 15 000 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 00	protection class IP	IP66/IP67
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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 quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle repeat accuracy 3.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor ambient temperature • during operation • during storage explosion protection category for dust 10 A plastic plastic 10 A plastic plastic 10 A 10 A: for a short-circuit current smaller than 400 A 6 A active principle than 400 A 6 A active principle mechanical repeat accuracy 0.05 mm 9.0701/2006 minimum actuating torque in directions of actuation 0.25 N·m 127.5 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage • during storage • during storage explosion protection category for dust	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 40 mm Ambient conditions ambient temperature during operation during storage explosion protection category for dust plastic 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
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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 127.5 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 127.5 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 vidth of the sensor 40 mm Ambient conditions ambient temperature oduring operation during storage explosion protection category for dust 0.05 mm 0.7/01/2006 0.25 N·m 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 vidth 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 127.5 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 0.25 N·m 127.5 mm 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 • during storage explosion protection category for dust 127.5 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 • during storage explosion protection category for dust • during storage -40 +90 °C	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	127.5 mm
ambient temperature	width of the sensor	40 mm
 during operation -25 +85 °C 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	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	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			
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				
design of the actuating element	Twist lever, metal lever, 27 mm long, step 9 mm, high-g	Twist lever, metal lever, 27 mm long, step 9 mm, high-grade steel 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	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

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=3SE5112-0CH02

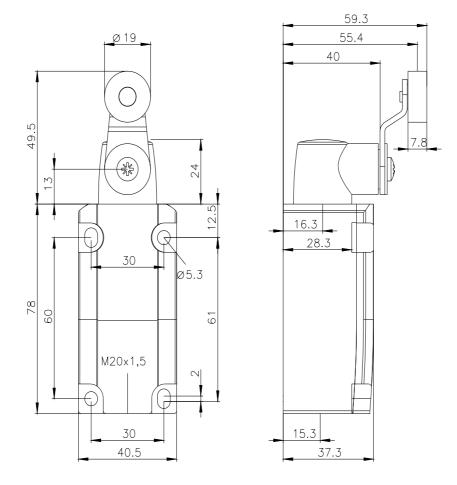
Cax online generator

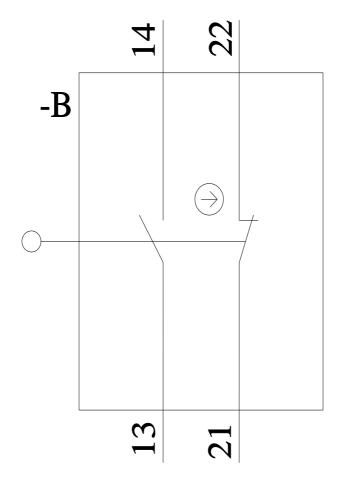
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CH02

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0CH02

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CH02&lang=en





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