SIEMENS

Data sheet 3SE5112-0CB01



Position switch Metal enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC quick action contacts Plain plunger, stainless steel

product function positive opening Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP shock resistance • according to IEC 60068-2-27 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 metal of the enclosure of the Sultak-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 Substance Prohibitance (Date) minimum actuating force in directions of actuation 20 N length of the sensor width of the sensor width of the sensor 40 mm Amblent conditions ambient temperature during storage 40 uring storage 40 uring storage 40 uring storage 40 uring storage	product brand name	SIRIUS
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of the supplied actuator head for position switches of the supplied switching contacts of the supplied empty enclosure with cover suitability for use safety switch ves sourcest technical data product function positive opening results of the supplied empty enclosure with cover suitability for use safety switch Sonoral technical data product function positive opening ves insulation voltage rated value 400 V degree of pollution classs 3 surge voltage resistance rated value shock resistance secording to IEC 60068-2-17 shock resistance *according to IEC 60068-2-27 30g / 11 ms vibration resistance according to IEC 60068-2-6 according to IEC 60068-2-6 do 3.5 mm/5g mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical delectrical endurance of the switch head material of the enclosure of the switch head material of the enclosure of the switch head material of the enclosure of the switch head mechanical service life (aperating cycles) typical continuous current of the C characteristic MCB 1A; for a short-circuit current smaller than 400 A continuous current of the pluZED fuse link G active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation ingent of the sensor width of the sensor width of the sensor width of the sensor active principle substance Prohibitance (Date) width of the sensor aduring operation -during operation -during operation -during operation -during operation -during operation -during storage		
of the supplied empty enclosure with cover of the supplied empty enclosure with cover suitability for use safety switch yes Seneral technical data product function positive opening product function positive	of the supplied basic switch	3SE5112-0CA00
of the supplied empty enclosure with cover suitability for use safety switch Pes General technical data Forduct function positive opening Insulation voltage rated value degree of pollution surge voltage resistance rated value degree of pollution surge voltage resistance rated value e according to IEC 60068-2-27 shock resistance according to IEC 60068-2-27 substance according to IEC 60068-2-6 according to IEC 60068-2-10 substance according to IEC 60068-2-6 according to IEC 60068-2-10 substance according to IEC 60068-2-6 according to IEC 60068-2-10 substance according to IEC 60068-2-6 according to IEC 60068-2-10 substance according to IEC 60068-2-6 according to IEC 60068-2-10 substance according to IEC 60068-2-6 active principle according to IEC 81346-2 B continuous current of the C characteristic MCB active principle mechanical repeat accuracy substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor width of the sensor width of the sensor width of the sensor ablient temperature during operation during storage - 40 un. +90 °C - 40 un. +90 °C	of the supplied actuator head for position switches	3SE5000-0AB01
suitability for use safety switch Seneral 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 PREGI/IPET 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 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 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 DIAZED fuse link 2 OA; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA; for a short-circuit current smaller than 400 A continuous current of the guick DIAZED fuse link OA;	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	of the supplied empty enclosure with cover	3SE5112-0AA00
product function positive opening Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP shock resistance • according to IEC 60068-2-27 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 metal of the enclosure of the Sultak-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 Substance Prohibitance (Date) minimum actuating force in directions of actuation 20 N length of the sensor width of the sensor width of the sensor 40 mm Amblent conditions ambient temperature during storage 40 uring storage 40 uring storage 40 uring storage 40 uring storage	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 protection class IP according to IEC 60068-2-27 yibration 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 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 to A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link to A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link go active principle mechanical repeat accuracy Substance Prohibitance (Date) minimum actuating force in directions of actuation 20 N length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation during storage 40 +90 °C	General technical data	
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 typical 100 000 thermal current 100 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 DIAZED fuse link G 6 A continuous current of the DIAZED fuse link G 6 A mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating force in directions of actuation 20 N length of the sensor 40 mm Arabient conditions ambient temperature 6 during operation -25 +85 °C -40 +90 °C	product function positive opening	Yes
surge voltage resistance rated value protection class IP shock resistance	insulation voltage rated value	400 V
protection class IP shock resistance	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 mechanical service life (operating cycles) typical lelectrical endurance (operating cycles) at AC-15 at 230 V typical lelectrical endurance (operating cycles) at AC-15 at 230 V typical 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 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) 07/01/2006 minimum actuating force in directions of actuation 20 N length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage 40 +90 °C	protection class IP	IP66/IP67
vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current	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 tontinuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force 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 100 000 10	• according to IEC 60068-2-27	30g / 11 ms
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 gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor width of the sensor width of the sensor ### Ambient conditions ambient temperature • during operation • during storage ### 10 A ##	vibration resistance according to IEC 60068-2-6	0.35 mm/5g
thermal current 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 plazed fuse link 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 7/01/2006 minimum actuating force 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 -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 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 force in directions of actuation 20 N length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage -25 +85 °C -40 +90 °C		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 paick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor width of the sensor 40 mm Ambient conditions ambient temperature o during operation other width of the sensor other width of the sensor ambient temperature of during storage during storage	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) 07/01/2006 minimum actuating force in directions of actuation 20 N length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage -25 +85 °C -40 +90 °C	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) minimum actuating force 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 -25 +85 °C -40 +90 °C	reference code according to IEC 81346-2	В
continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating force in directions of actuation 20 N length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage 6 A Ambient temperature -25 +85 °C -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 minimum actuating force in directions of actuation 20 N length of the sensor 85.7 mm width of the sensor 40 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) or/o1/2006 minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage 0.05 mm 20 N 85.7 mm 40 mm -25 +85 °C -40 +90 °C	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date) minimum actuating force in directions of actuation 20 N length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage 07/01/2006 20 N 40 mm 40 mm -25 +85 °C -40 +90 °C	active principle	mechanical
minimum actuating force in directions of actuation 20 N length of the sensor 85.7 mm 40 mm Ambient conditions ambient temperature • during operation • during storage 20 N 85.7 mm 40 mm	repeat accuracy	0.05 mm
length of the sensor width of the sensor Ambient conditions ambient temperature • during operation • during storage 85.7 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 40 mm 40 mm -25 +85 °C -40 +90 °C	minimum actuating force in directions of actuation	20 N
Ambient conditions ambient temperature • during operation • during storage -25 +85 °C -40 +90 °C	length of the sensor	85.7 mm
ambient temperature	width of the sensor	40 mm
 during operation during storage -25 +85 °C -40 +90 °C 	Ambient conditions	
• during storage -40 +90 °C	ambient temperature	
	 during operation 	-25 +85 °C
explosion protection category for dust	during storage	-40 +90 °C
	explosion protection category for dust	none
design of the switching contact mechanical	design of the switching contact	mechanical
operating frequency rated value 50 60 Hz	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	
• 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	
Prive Head		
design of the actuating element	Rounded plunger, high-grade steel plunger	
standard-compliant actuator head	EN 50041, design B	
shape of the switch head	rounded	
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)	
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)	
 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 Cer**tificate**

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

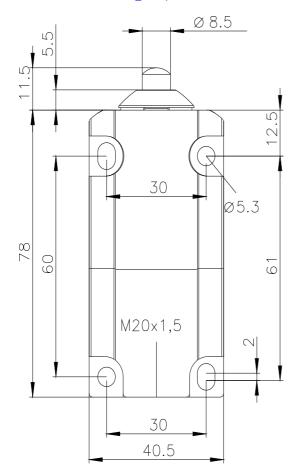
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0CB01

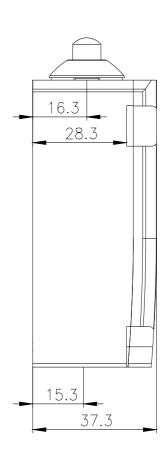
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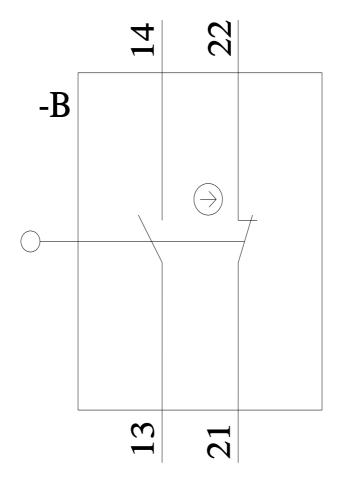
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CB01

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

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CB01&lang=en







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