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 type designation product type designation asses manufacturer's article number of the supplied basic switch 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 suitability for use safety switch product function positive opening insulation voltage rated value degree of pollution surge voltage resistance rated value of kV protection class IP shock resistance oaccording to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 Mechanical position switches 3SE5112-0CA00 3SE5000-0CA0 3SE5000-0CA00 400 V
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shock resistance • according to IEC 60068-2-27 30g / 11 ms
• according to IEC 60068-2-27 30g / 11 ms
vibration resistance according to IEC 60068-2-6 0.35 mm/5g
mechanical service life (operating cycles) typical 15 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000
thermal current 10 A
material of the enclosure of the switch head metal
reference code according to IEC 81346-2
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 85.7 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 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	
at 250 V rated value	0.27 A	
at 400 V rated value	0.12 A	
Enclosure		
design of the housing	block, narrow	
material of the enclosure	metal	
coating of the enclosure	cathodic dip coating	
design of the housing according to standard	Yes	
Drive Head		
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)	
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 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

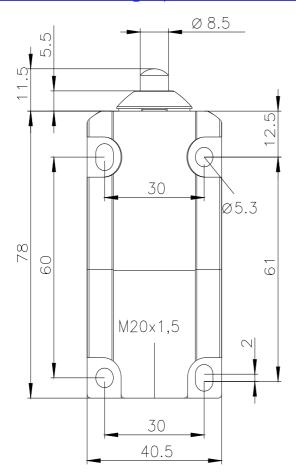
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0CB01

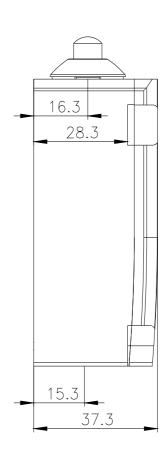
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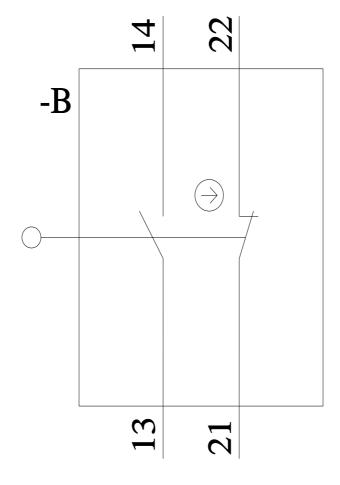
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CB01

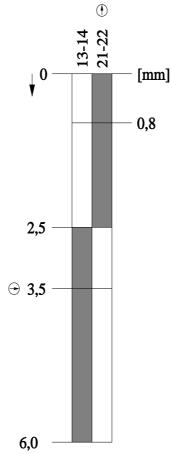
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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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