3SE5112-0CD02-1AA7

Data sheet



Position switch Metal enclosure 40 mm according to EN 50041 Roller plunger with Stainless steel roller 13 mm, 3 mm overtravel, 1 NO/1 NC quick action contacts, Device connection 1x (M20 x 1.5), actuating/restoring force 30 N only available as complete unit

product brand name	SIRIUS	
product designation	Mechanical position switches	
product type designation	3SE5	
manufacturer's article number		
 of the supplied switching contacts 	3SE5000-0CA00	
suitability for use safety switch	Yes	
General 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 60068-2-27 	30g / 11 ms	
vibration resistance according to IEC 60068-2-6	0.35 mm/5g	
mechanical service life (operating cycles) typical	3 000 000	
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	В	
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	30 N	
length of the sensor	116.3 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	Roller plunger, high-grade steel roller	
standard-compliant actuator head	EN 50041, design C	
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		
		Functional

General Product Approval

Functional Safety/Safety of Machinery



Confirmation







Type Examination Certificate

Declaration of Conformity

Test Certificates

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UK CA



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)

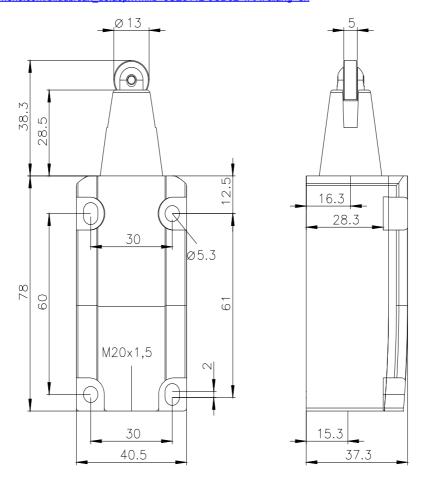
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0CD02-1AA7

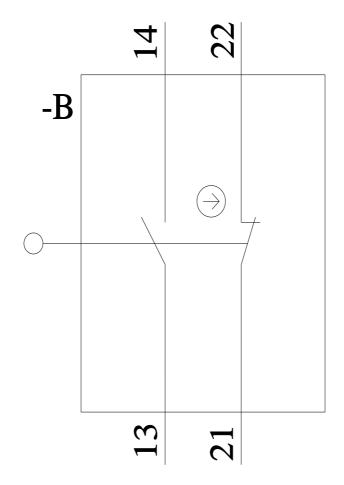
Cax online generator

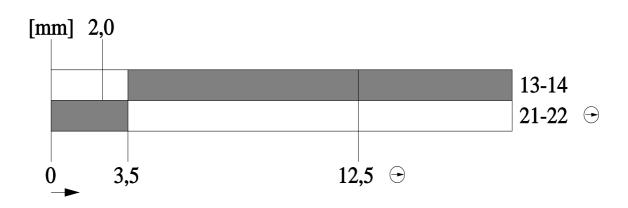
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SE5112-0CD02-1AA7}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0CD02-1AA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CD02-1AA7&lang=en







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