## SIEMENS

## Data sheet

## 3SE5112-0CD02-1AA7



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

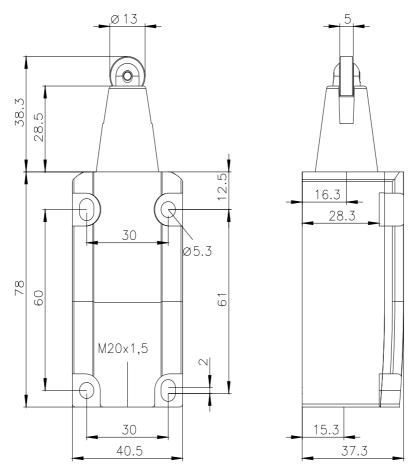
product brand name	SIRIUS Mechanical position switches		
product designation	Mechanical position switches		
product type designation	3SE5		
manufacturer's article number			
of the supplied switching contacts	<u>3SE5000-0CA00</u>		
suitability for use safety switch	Yes		
General technical data			
product 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			
<ul> <li>according to IEC 60068-2-27</li> </ul>	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			

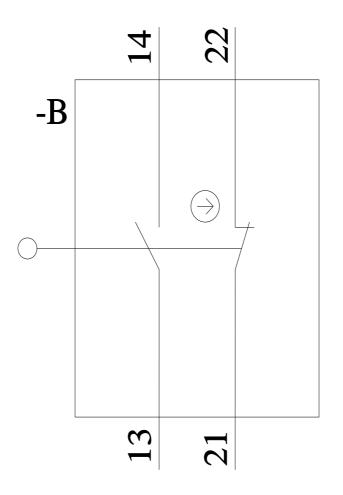
	certificates. ralidity of the E	AC certification if you inter	<b>ERC</b> nd to import or offer to su	Functional Safety/Safety of Ma- chinery         Type Examination Cer- tificate         upply these products to an	
Certificates/ approvals         General Product Approval         Confirmation         Declaration of Conformity         Test C         UKG         Certificates/ approval         Declaration of Conformity         Test C         UKG         Certificates/ approval         Test C         UKG         EG-Konf.         Type: ates/         Type: ates/         Type: ates/         Type: ates/         Type: ates/         EG-Konf.         Further information         Siemens has decided to exit the Russian market (see h         https://press.siemens.com/global/en/pressrelease/siemens	Test Certific- Test Report	Confirmation	EAC	Safety/Safety of Ma- chinery Type Examination Cer-	
Certificates/ approvals         General Product Approval         Image: Confirmation	<u>Test Certific-</u> Test Report		EAC	Safety/Safety of Ma- chinery Type Examination Cer-	
Certificates/ approvals         General Product Approval         Image: Confirmation         Confirmation         Declaration of Conformity         Test C         Image: Confirmation         Image: Confirmation <th>Test Certific-</th> <th></th> <th>EAC</th> <th>Safety/Safety of Ma- chinery Type Examination Cer-</th>	Test Certific-		EAC	Safety/Safety of Ma- chinery Type Examination Cer-	
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Certificates/ approvals General Product Approval	~	~		Safety/Safety of Ma- chinery	
Certificates/ approvals					
	with	nout			
Communication/ Protocol					
for AWG cables stranded design of the interface for safety-related communication		without			
		1x (20 16), 2x (20 18)			
<ul> <li>for AWG cables solid</li> </ul>		1x (20 16), 2x (20 18)			
<ul> <li>finely stranded with core end processing</li> </ul>		1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)			
• solid		1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)			
type of connectable conductor cross-sections					
type of electrical connection	scr	ew-type terminals			
Connections/ Terminals					
fastening method		screw fixing			
mounting position	any	,			
Installation/ mounting/ dimensions					
cable entry type		1x (M20 x 1.5)			
number of switching contacts safety-related		1			
circuit principle		snap-action contacts			
design of the switching function		positive opening			
shape of the switch head		roller			
standard-compliant actuator head		50041, design C			
design of the actuating element	Pol	ler plunger, high-grade ste			
design of the housing according to standard Drive Head	Yes	; 			
coating of the enclosure		cathodic dip coating Yes			
material of the enclosure	me				
design of the housing		ck, narrow			
Enclosure					
• at 400 V rated value	0.1	2 A			
• at 250 V rated value	0.2	7 A			
• at 125 V rated value	0.5	5 A			
at 24 V rated value	3 A				
operational current at DC-13					
energianal surrent -t DO 40	4 A				
• at 400 V rated value	6 A				
<ul><li>at 240 V rated value</li><li>at 400 V rated value</li></ul>	0 A				
• at 400 V rated value	6 A 6 A				

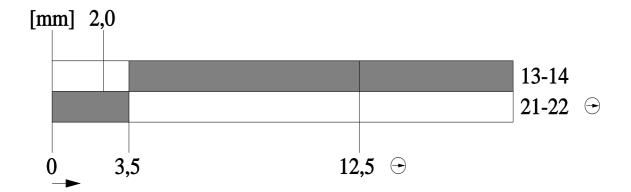
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http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CD02-1AA7 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0CD02-1A

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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