## **SIEMENS**

## **Data sheet**

## 3SE5413-0CD20-1EA5



Position switch in compact design 30 mm wide with connecting cable 5 m Snapaction contacts 1 NO+1 NC with roller plunger

product brand name	SIRIUS	
product designation	Mechanical position switches	
product type designation	3SE5	
suitability for use safety switch	Yes	
General technical data		
product function positive opening	Yes	
insulation voltage rated value	400 V	
degree of pollution	3	
surge voltage resistance rated value	4 kV	
protection class IP	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	5 000 000	
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	stainless steel	
reference code according to IEC 81346-2	В	
active principle	mechanical	
repeat accuracy	0.05 mm	
Substance Prohibitance (Date)	07/01/2006	
minimum actuating force in directions of actuation	15 N	
length of the sensor	70 mm	
width of the sensor	30 mm	
Ambient conditions		
ambient temperature		
<ul> <li>during operation</li> </ul>	-25 +85 °C	
during storage	-25 +85 °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 125 V rated value	6 A	
at 230 V rated value	3 A	
operational current at DC-13		
• at 125 V rated value	0.55 A	
• at 230 V rated value	0.27 A	

Enclosure			
design of the housing	block		
material of the enclosure	metal		
coating of the enclosure	painted		
design of the housing according to standard	No		
material of cable sheath	PVC		
Drive Head			
design of the actuating element	roller plunger		
shape of the switch head	roller		
design of the switching function	snap-action contact		
circuit principle	snap-action contacts		
number of switching contacts safety-related	1		
Installation/ mounting/ dimensions			
mounting position	any		
fastening method	screw fixing		
Connections/ Terminals			
type of electrical connection	cable, 5 x 0.75mm²		
design of the interface for safety-related communication	without		
Communication/ Protocol			
design of the interface	without		
Certificates/ approvals			
General Product Approval		Declaration of Conformity	

Confirmation











other

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=3SE5413-0CD20-1EA5

Cax online generator

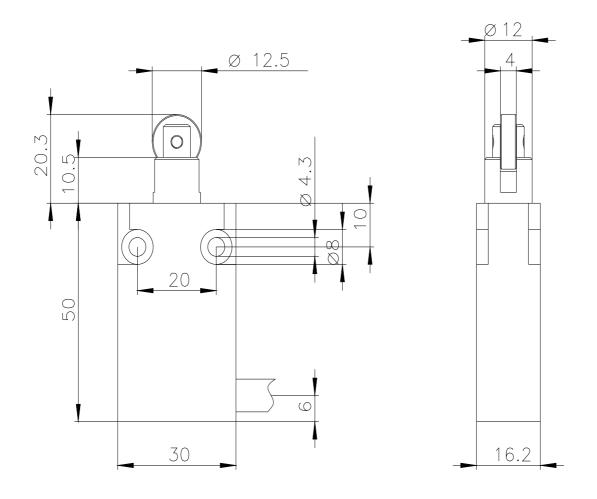
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5413-0CD20-1EA5

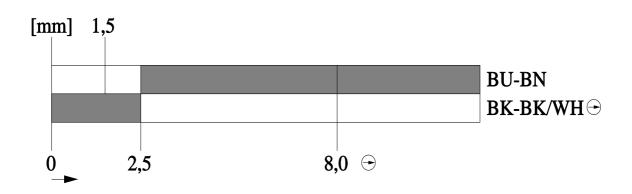
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SE5413-0CD20-1E/

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ 

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5413-0CD20-1EA5&lang=en





last modified: 1/26/2022 🖸

