



POSITION SWITCH IN COMPACT DESIGN 30MM WIDE  
WITH CONNECTION CABLE 5M SNAP-ACTION  
CONTACTS 1NO+1NC WITH ROLLER PLUNGER,

General technical details:		
<b>Product designation</b>		compact switch
<b>Explosion protection category for dust</b>		none
<b>Insulation voltage</b>		
• rated value	V	400
<b>Degree of pollution</b>		3
<b>Thermal current</b>	A	10
<b>Operating current</b>		
• at AC-15		
• at 125 V / rated value	A	6
• at 230 V / rated value	A	3
• at DC-13		
• at 125 V / rated value	A	0.55
• at 230 V / rated value	A	0.27
<b>Continuous current</b>		
• of the slow DIAZED fuse link	A	10
• of the quick DIAZED fuse link	A	10
• of the C characteristic circuit breaker	A	3
<b>Mechanical operating cycles as operating time</b>		
• typical		5,000,000

<b>Electrical operating cycles as operating time</b>		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical		500,000
• at AC-15 / at 230 V / typical		100,000
<b>Electrical operating cycles in one hour</b>		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026		1,800
<b>Repeat accuracy</b>	mm	0.05
<b>Design of the contact element</b>		snap-action contacts
<b>Number of NC contacts</b>		
• for auxiliary contacts		1
<b>Design of the switching function</b>		snap-action contact
<b>Number of NO contacts</b>		
• for auxiliary contacts		1
<b>Resistance against vibration</b>		0.35 mm / 5g
<b>Resistance against shock</b>		30g / 11 ms
<b>Ambient temperature</b>		
• during operating	°C	-25 ... +85
• during storage	°C	-25 ... +85
<b>Width of the sensor</b>	mm	30
<b>Material</b>		
• of the enclosure		metal
<b>Material / of the enclosure / of the switch head</b>		stainless steel
<b>Design of the operating mechanism</b>		roller plunger
<b>Actuating speed</b>	mm/s / m/s	0.05 ... 2
<b>Minimum actuating force / in activation direction</b>	N	15
<b>Protection class IP</b>		IP67
<b>mounting position</b>		any
<b>Design of the electrical connection</b>		cable connection 5m x 0.75 mm <sup>2</sup> PVC
<b>Reference code</b>		
• according to DIN 40719 extended according to IEC 204-2		S
• according to DIN EN 61346-2		B

#### Certificates/approvals:

General Product Approval

Declaration of  
Conformity

other



[Confirmation](#)

#### Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

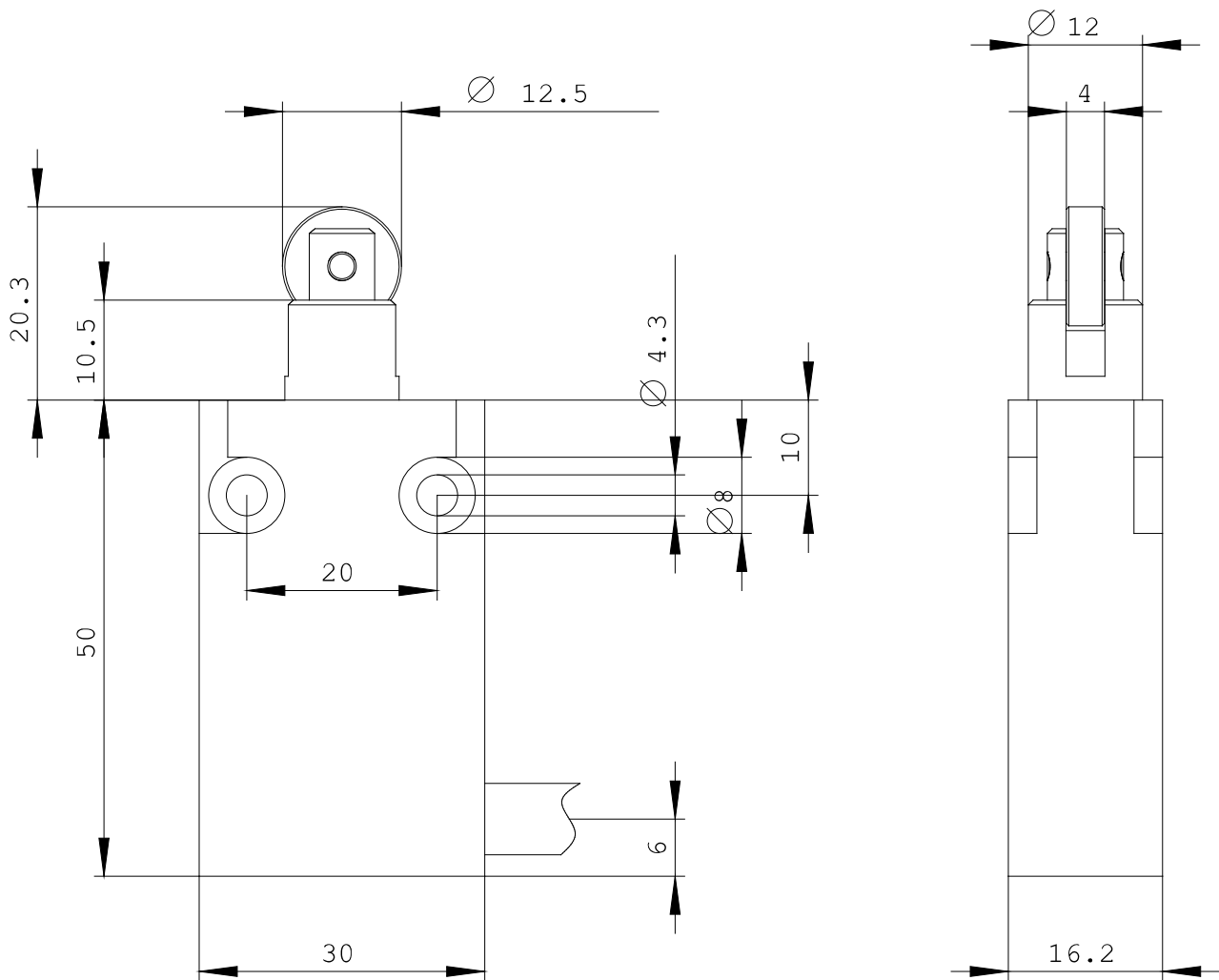
<http://www.siemens.com/cax>

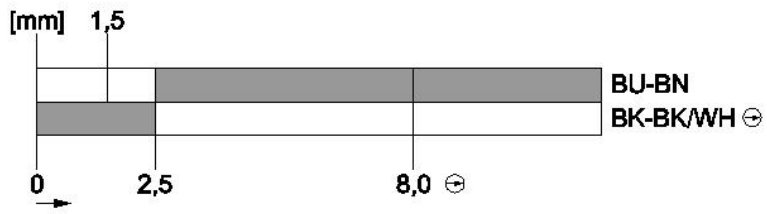
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3SE5413-0CD20-1EA5/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5413-0CD20-1EA5](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5413-0CD20-1EA5)





last change:

Jul 28, 2014