



SIRIUS POSITION SWITCH,  
ATEX METAL ENCLOSURE 40MM TO EN50041 DEVICE  
CONNECTION 1X (M20X1.5) 1NO/ 1NC SNAP-ACTION  
CONTACTS FORK LEVER ACTUATOR W. STAINLESS  
STEEL LEVER AND STAINLESS STEEL ROLLERS 19MM

**Manufacturer article number**

- of the basic unit included in the scope of supply
- of the actuator head for position switches included in the scope of supply
- of the operating lever included in the scope of supply

[3SE5112-0CA00-1DA0](#)

[3SE5000-0AT10](#)

[3SE5000-0AT03](#)

**General technical data:**

<b>Product designation</b>		standard position switch
<b>Product feature</b>		ATEX Zone 21/22
<b>Explosion protection category for dust</b>		Zone 21, 94/9/EC II 2D
<b>Insulation voltage</b>		
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	V	400
<b>Degree of pollution</b>		class 3
<b>Thermal current</b>	A	6
<b>Operating current</b>		
<ul style="list-style-type: none"> <li>• at AC-15                             <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> <li>• at 125 V / rated value</li> <li>• at 230 V / rated value</li> <li>• at 400 V / rated value</li> </ul> </li> <li>• at DC-13                             <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> </ul> </li> </ul>	A	6
	A	6
	A	6
	A	4
	A	3

<ul style="list-style-type: none"> <li>• at 125 V / rated value</li> </ul>	A	0.55
<ul style="list-style-type: none"> <li>• at 230 V / rated value</li> </ul>	A	0.27
<ul style="list-style-type: none"> <li>• at 400 V / rated value</li> </ul>	A	0.1
<b>Continuous current</b>		
<ul style="list-style-type: none"> <li>• of the slow DIAZED fuse link</li> </ul>	A	6
<ul style="list-style-type: none"> <li>• of the quick DIAZED fuse link</li> </ul>	A	10
<ul style="list-style-type: none"> <li>• of the C characteristic circuit breaker</li> </ul>	A	1
<b>Mechanical operating cycles as operating time</b>		
<ul style="list-style-type: none"> <li>• typical</li> </ul>		1,000,000
<b>Electrical operating cycles as operating time</b>		
<ul style="list-style-type: none"> <li>• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical</li> </ul>		1,000,000
<ul style="list-style-type: none"> <li>• at AC-15 / at 230 V / typical</li> </ul>		100,000
<b>Electrical operating cycles in one hour</b>		
<ul style="list-style-type: none"> <li>• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</li> </ul>		6,000
<b>Repeat accuracy</b>	mm	0.05
<b>Design of the contact element</b>		snap-action contacts
<b>Number of NC contacts</b>		
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>		1
<b>Design of the switching function</b>		positive opening
<b>Number of NO contacts</b>		
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>		1
<b>Resistance against vibration</b>		0.35 mm / 5g
<b>Resistance against shock</b>		30g / 11 ms
<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operating</li> </ul>	°C	-25 ... +85
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	°C	-40 ... +90
<b>Product specification</b>		
<ul style="list-style-type: none"> <li>• for dimensions</li> </ul>		EN 50041
<b>Width of the sensor</b>	mm	40
<b>Material</b>		
<ul style="list-style-type: none"> <li>• of the enclosure</li> </ul>		metal
<b>Material / of the enclosure / of the switch head</b>		metal
<b>Design of the operating mechanism</b>		stainless steel lever, plastic rollers, 19 mm, one track
<b>Actuating speed</b>	mm/s / m/s	0.1 ... 1.5
<b>Minimum actuating force / in activation direction</b>	N·m	0.25
<b>Protection class IP</b>		IP66/IP67
<b>mounting position</b>		any
<b>Cable gland version</b>		1x (M20 x 1.5)

<b>Design of the electrical connection</b>		screw-type terminals
<b>Reference code</b>		
<ul style="list-style-type: none"> <li>• according to DIN 40719 extended according to IEC 204-2</li> <li>• according to DIN EN 61346-2</li> </ul>		S B

**Certificates/ approvals:**

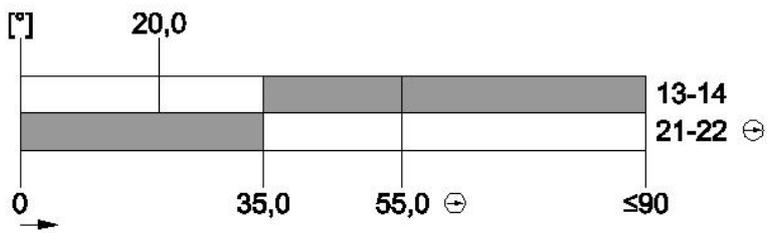
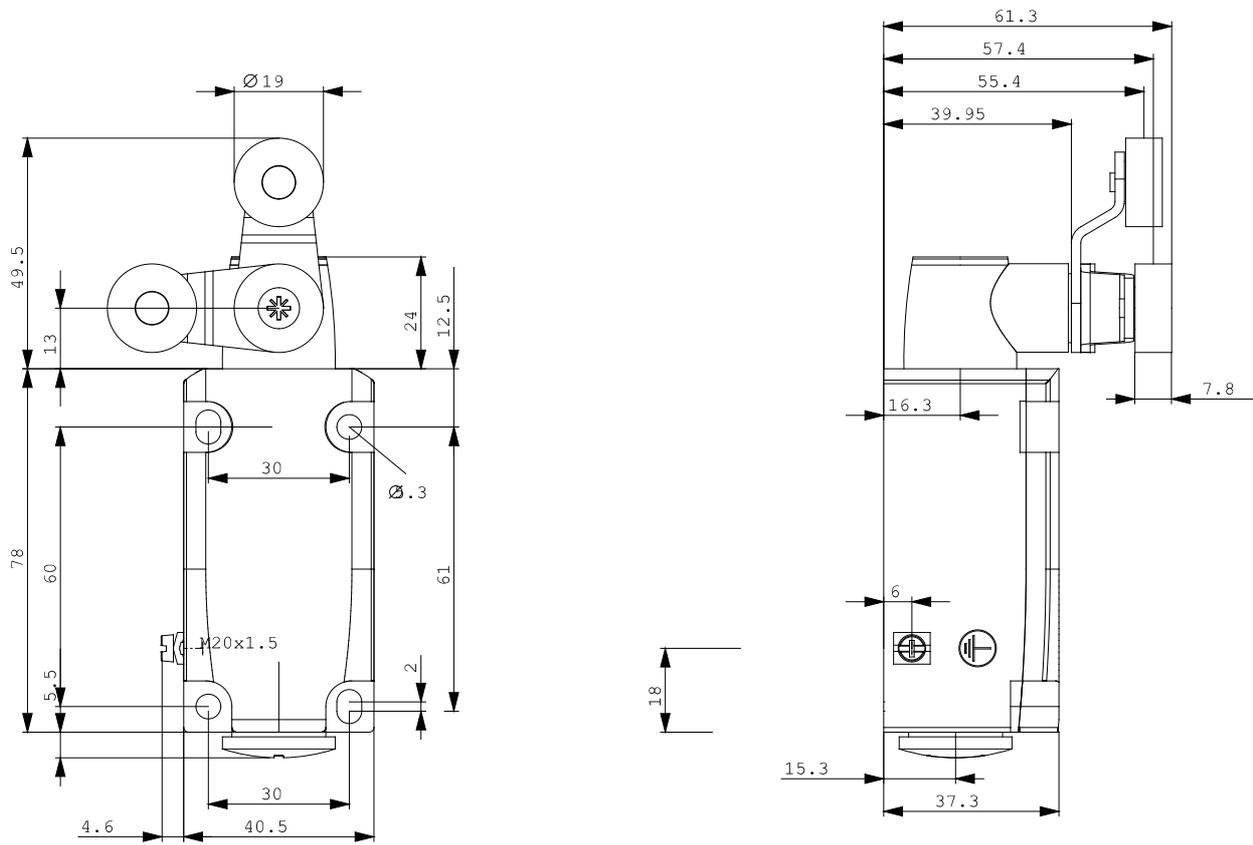
<b>General Product Approval</b>	<b>For use in hazardous locations</b>	<b>Declaration of Conformity</b>
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<b>Test Certificates</b>	<b>other</b>
<a href="#">Special Test Certificate</a>	<a href="#">Confirmation</a>

**Further information:**

- Information- and Downloadcenter (Catalogs, Brochures,...)**  
<http://www.siemens.com/industrial-controls/catalogs>
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- Industry Mall (Online ordering system)**  
<http://www.siemens.com/industrymall>
- 
- Cax online generator**  
<http://www.siemens.com/cax>
- 
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<http://support.automation.siemens.com/WW/view/en/3SE5112-0CT13-1DA0/all>
- 
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5112-0CT13-1DA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0CT13-1DA0)



last change:

Jul 24, 2014