

Position switch Plastic enclosure according to EN 50047, 31 mm  
 Device connection 1 x (M20 x 1.5) 1 NO/2 NC slow-action contacts  
 Teflon plunger with 2 LEDs yellow/green, 24 V DC



<b>Product brand name</b>	SIRIUS
<b>Product designation</b>	Mechanical position switches
<b>Product type designation</b>	3SE5
<b>Manufacturer's article number</b>	<ul style="list-style-type: none"> <li>• of the supplied basic switch <a href="#">3SE5232-1KC05</a></li> <li>• of the supplied switching contacts <a href="#">3SE5000-0KA00</a></li> <li>• of the supplied empty enclosure with cover <a href="#">3SE5232-0AC05</a></li> </ul>
Suitability for use safety switch	Yes

General technical data	
<b>Product function</b>	
• positive opening	Yes
<b>Degree of pollution</b>	class 3
<b>Surge voltage resistance rated value</b>	0.8 kV
<b>Protection class IP</b>	IP65
<b>Shock resistance</b>	
• acc. to IEC 60068-2-27	30 g / 11 ms
<b>Mechanical service life (switching cycles)</b>	
• typical	15 000 000
<b>Electrical endurance (switching cycles)</b>	

<ul style="list-style-type: none"> <li>at AC-15 at 230 V typical</li> </ul>	100 000
<b>Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b>	10 000 000
<b>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</b>	6 000
<b>Thermal current</b>	10 A
<b>Material of the enclosure of the switch head</b>	plastic
<b>Reference code acc. to DIN EN 81346-2</b>	B
<b>Reference code acc. to DIN EN 61346-2</b>	B
<b>Continuous current of the C characteristic MCB</b>	1 A; for a short-circuit current smaller than 400 A
<b>Continuous current of the quick DIAZED fuse link</b>	10 A; for a short-circuit current smaller than 400 A
<b>Continuous current of the DIAZED fuse link gG</b>	6 A
<b>Active principle</b>	mechanical
<b>Repeat accuracy</b>	0.05 mm
<b>Minimum actuating force in activation direction</b>	20 N
<b>Length of the sensor</b>	75.7 mm
<b>Width of the sensor</b>	31 mm
<b>Design of the switching contact</b>	mechanical
<b>Operating frequency rated value</b>	50 ... 60 Hz
<b>Number of NC contacts for auxiliary contacts</b>	2
<b>Number of NO contacts for auxiliary contacts</b>	1
<b>Operating current at DC-13</b>	
<ul style="list-style-type: none"> <li>at 24 V rated value</li> </ul>	3 A

#### Enclosure

<b>Design of the housing</b>	block, narrow
<b>Material of the enclosure</b>	plastic
<b>Coating of the enclosure</b>	Other types
<b>Design of the housing acc. to standard</b>	Yes

#### Drive Head

<b>Design of the operating mechanism</b>	Rounded plunger, Teflon plunger
<b>Standard-compliant actuator head</b>	EN 50047, design B
<b>Shape of the switch head</b>	rounded
<b>Design of the switching function</b>	positive opening
<b>Circuit principle</b>	slow-action contacts
<b>Number of switching contacts safety-related</b>	2

#### Connections/ Terminals

<b>Type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>solid</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>finely stranded with core end processing</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>at AWG conductors solid</li> </ul>	1x (20 ... 16), 2x (20 ... 18)

• at AWG conductors stranded	1x (20 ... 16), 2x (20 ... 18)
<b>Cable entry type</b>	1x (M20 x 1.5)
<b>Communication/ Protocol</b>	
<b>Design of the interface</b>	without
<b>Ambient conditions</b>	
<b>Ambient temperature</b>	
• during operation	-25 ... +60 °C
• during storage	-40 ... +90 °C
<b>Explosion protection category for dust</b>	none
<b>Supply voltage</b>	
<b>Type of voltage of the supply voltage</b>	
• of the optional LED indicator	DC
<b>Supply voltage</b>	
• of LED	24 V
<b>Installation/ mounting/ dimensions</b>	
<b>Mounting position</b>	any
<b>Mounting type</b>	screw fixing

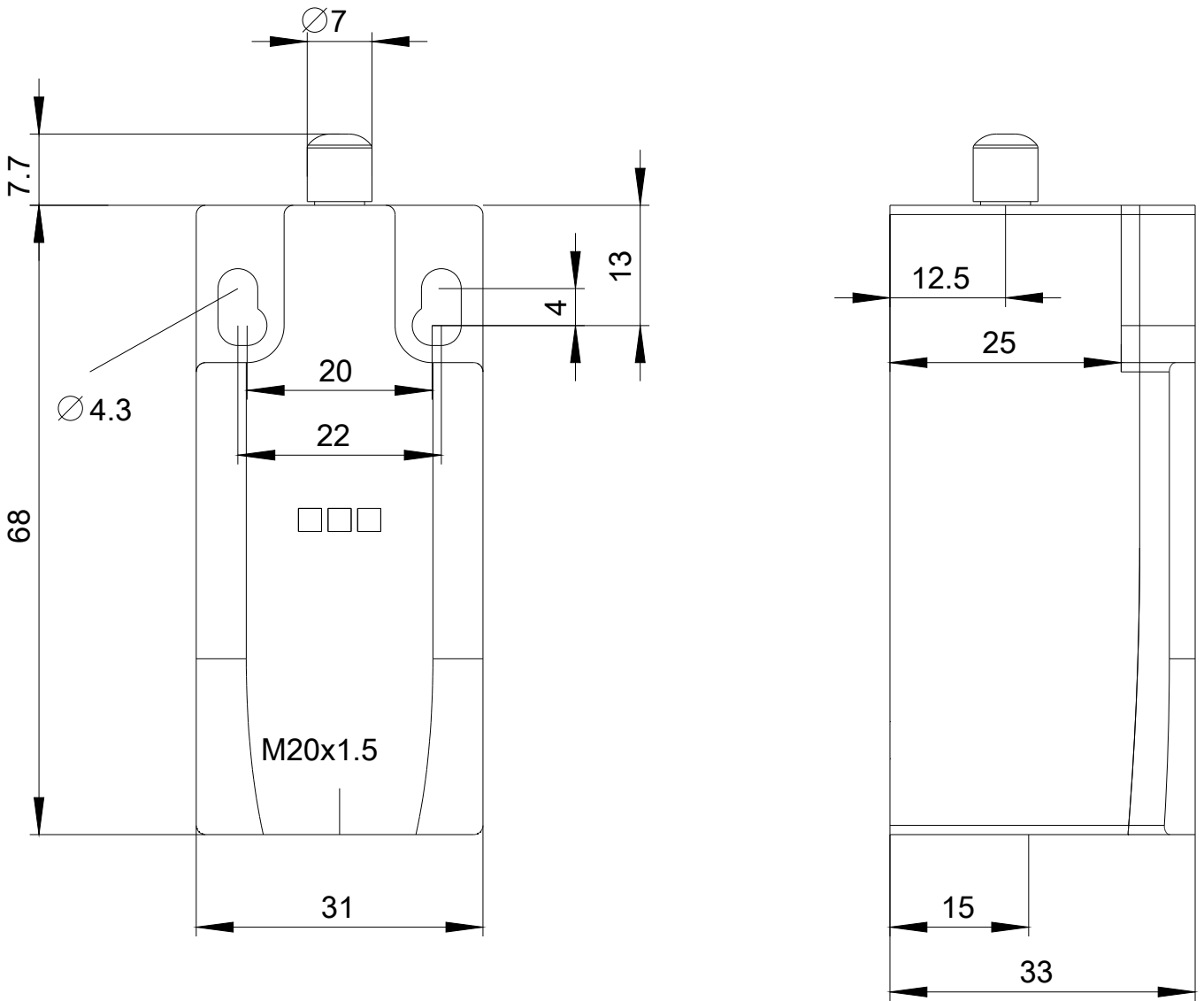
**Certificates/ approvals**

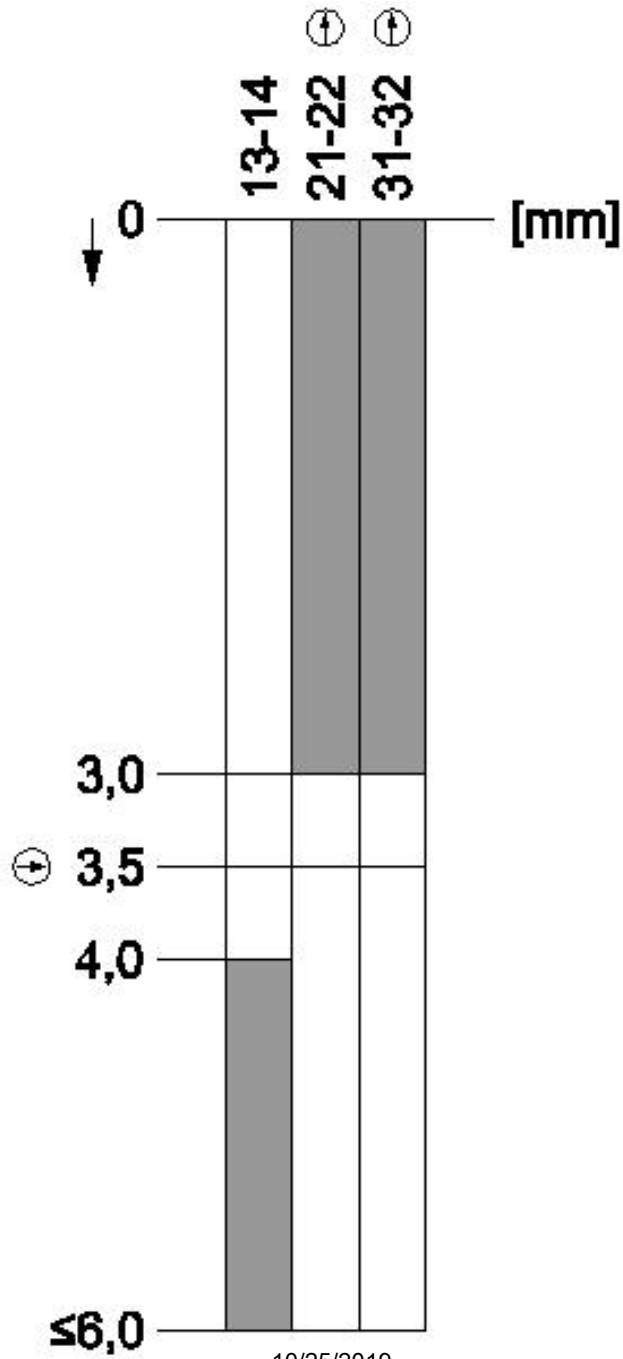
<b>General Product Approval</b>	<b>Functional Safety/Safety of Machinery</b>	<b>Declaration of Conformity</b>
 CCC	 UL	 EG-Konf.
 CSA		<a href="#">Type Examination Certificate</a>

<b>Declaration of Conformity</b>	<b>Test Certificates</b>	<b>other</b>
<a href="#">Miscellaneous</a>	<a href="#">Type Test Certificates/Test Report</a>	<a href="#">Confirmation</a>

**Further information**

- Information- and Downloadcenter (Catalogs, Brochures,...)**  
[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)
- Industry Mall (Online ordering system)**  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5232-1KC05>
- Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-1KC05>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5232-1KC05>





last modified:

10/25/2019