

Position switch Plastic 31 mm according to EN 50047 Increased corrosion protection Device connection 1 x (M20 x 1.5) 1 NO/2 NC quick action contacts Rounded plunger functional at -40 °C Shock and vibration test according to EN 61373, Category 1B



Product brand name	SIRIUS
Product designation	Mechanical position switches
Product type designation	3SE5
Manufacturer's article number	
<ul style="list-style-type: none"> <li>• of the supplied basic switch</li> <li>• of the supplied switching contacts</li> </ul>	<a href="#">3SE5232-0LC05-1AJ0</a> <a href="#">3SE5000-0LA00</a>
Suitability for use safety switch	Yes

General technical data	
Product function	
<ul style="list-style-type: none"> <li>• positive opening</li> </ul>	Yes
Degree of pollution	class 3
Surge voltage resistance rated value	6 kV
Protection class IP	IP65
Shock resistance	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	30 g / 11 ms Category 1, Class B
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	15 000 000
Electrical endurance (switching cycles)	

• at AC-15 at 230 V typical	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>Number of CO contacts for auxiliary contacts</b>	1
<b>Operating current at AC-15</b>	
• at 24 V rated value	6 A
• at 240 V rated value	6 A
• at 400 V rated value	4 A
<b>Operating current at DC-13</b>	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A
• at 250 V rated value	0.27 A
• at 400 V rated value	0.12 A
<b>Design of the interface for safety-related communication</b>	without

#### 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

Shape of the switch head	rounded
Design of the switching function	positive opening
Circuit principle	snap-action contacts
Number of switching contacts safety-related	2

#### Connections/ Terminals

Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
<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)
<ul style="list-style-type: none"> <li>• at AWG conductors stranded</li> </ul>	1x (20 ... 16), 2x (20 ... 18)
Cable entry type	1x (M20 x 1.5)

#### Communication/ Protocol

Design of the interface	without
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#### Ambient conditions

Explosion protection category for dust	none
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#### Installation/ mounting/ dimensions

Mounting position	any
Mounting type	screw fixing

#### Certificates/ approvals

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
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[Type Examination Certificate](#)



EG-Konf.

Declaration of Conformity	Test Certificates	other
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[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

#### Further information

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

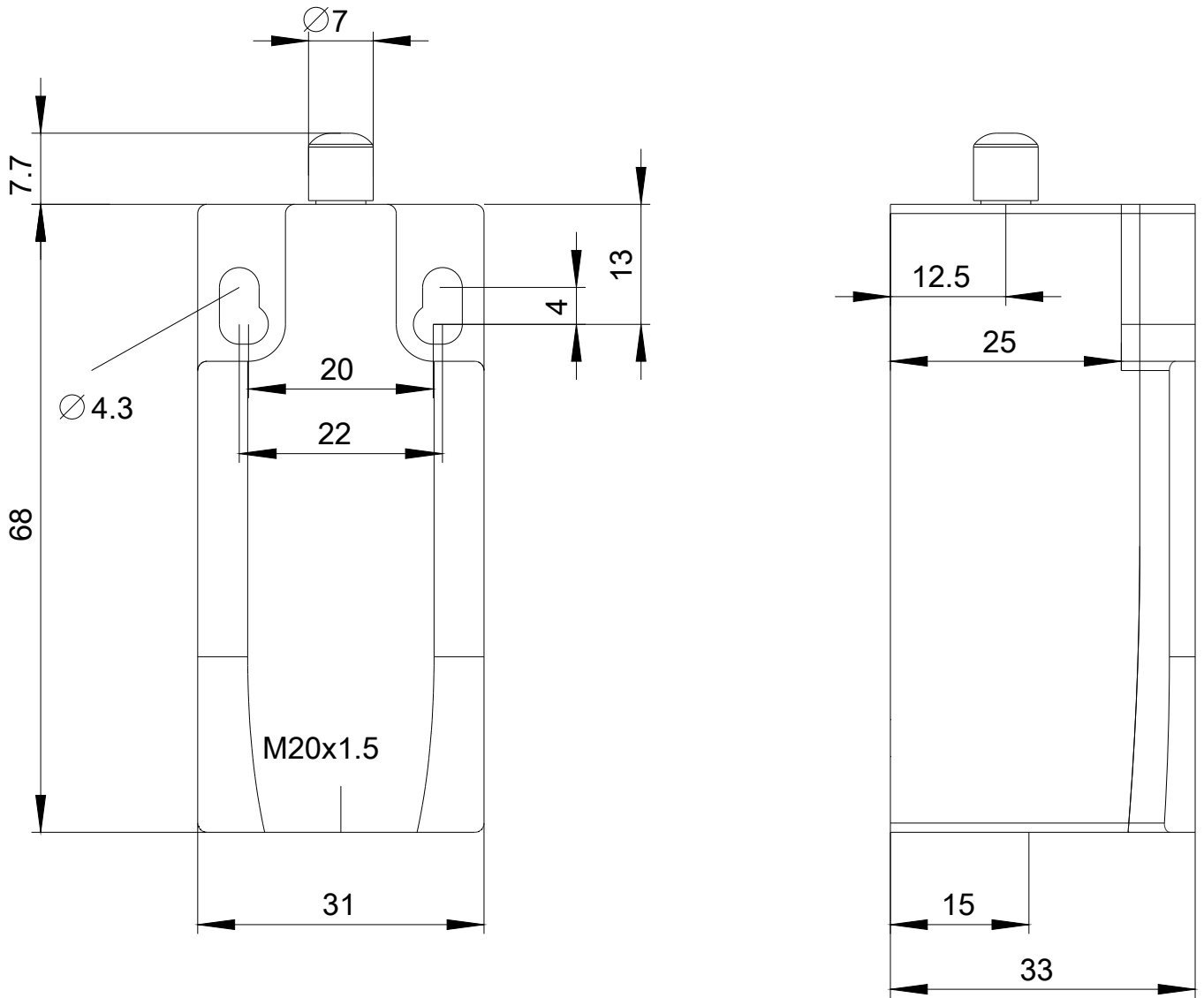
[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)

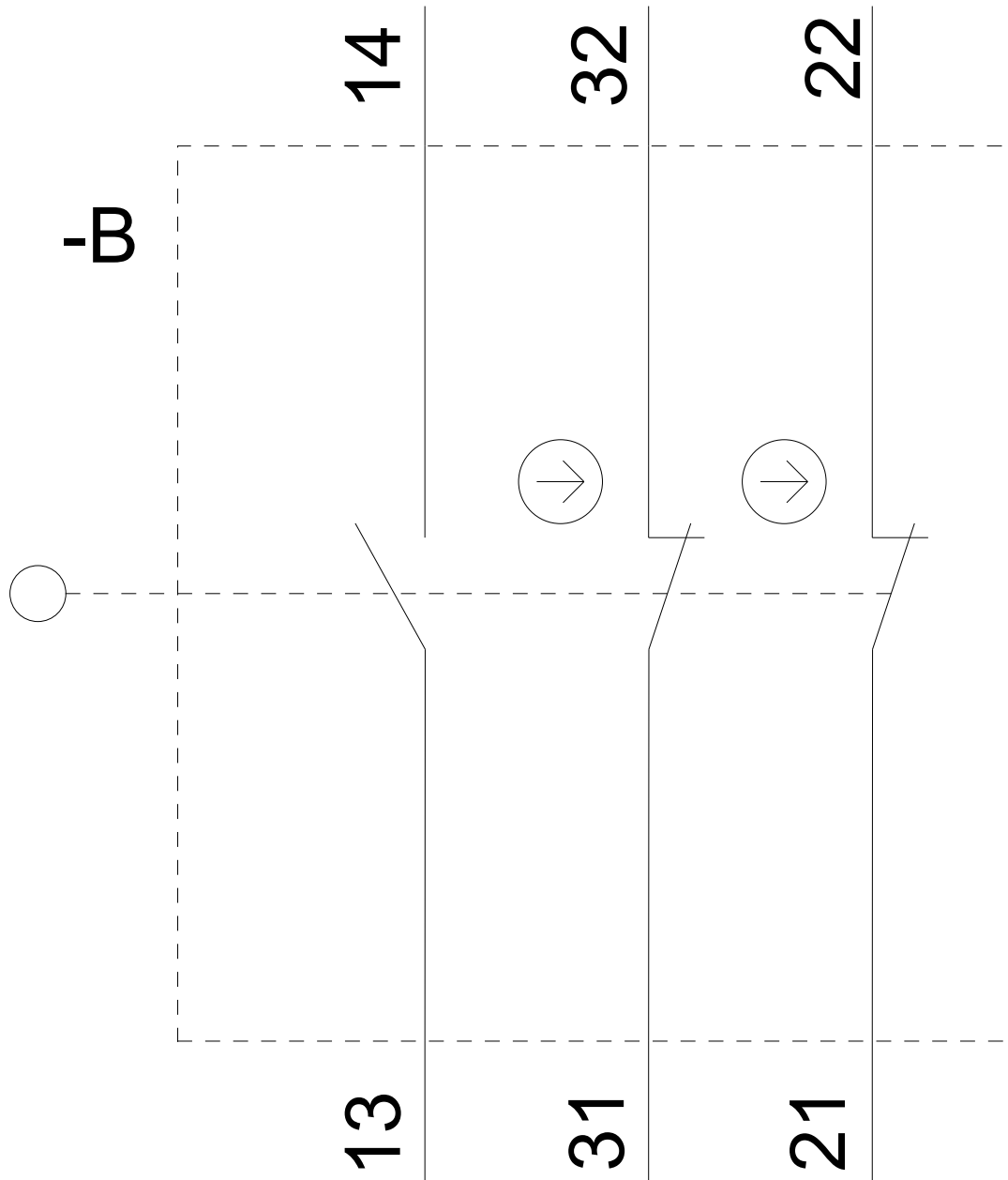
Industry Mall (Online ordering system)

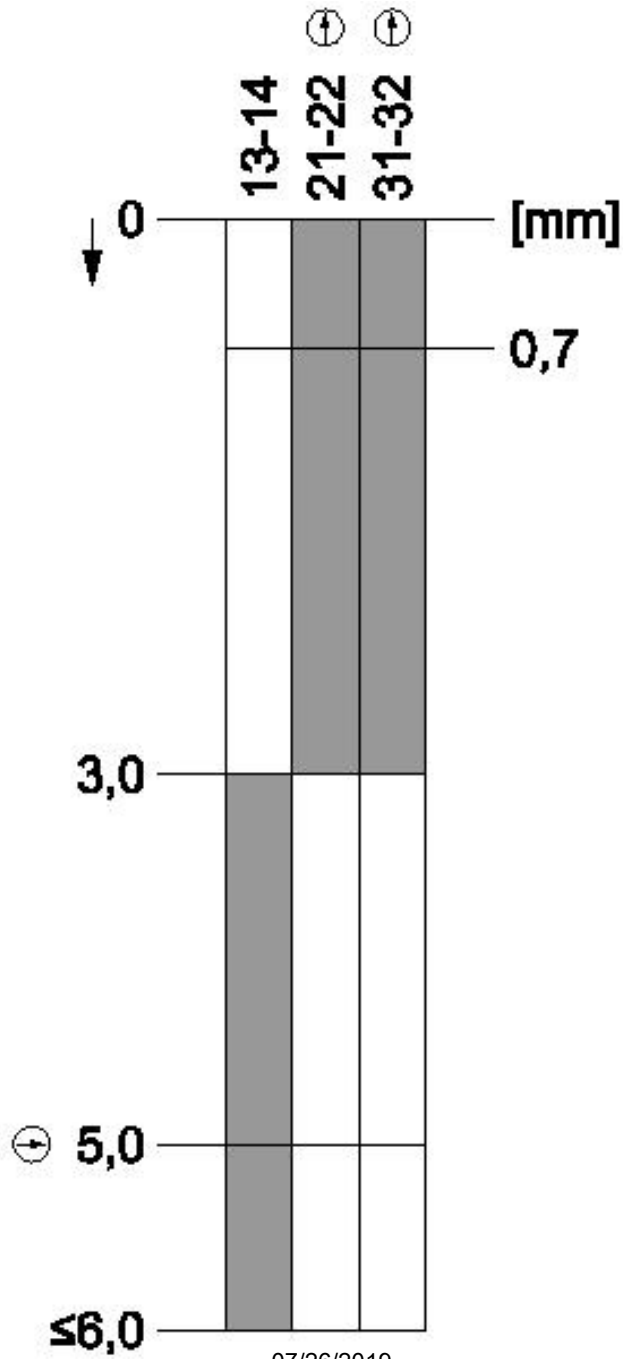
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5232-0LC05-1AJ0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-0LC05-1AJ0>







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