

Position switch Plastic enclosure according to EN 50047, 31 mm  
 Device connection 1 x (M20 x 1.5) 1 NO/1 NC quick action contacts  
 integrated (not replaceable) Rounded plunger Form B with Teflon  
 plunger



<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>	
• of the supplied basic switch	<a href="#">3SE5232-0HC05</a>
<b>Suitability for use safety switch</b>	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>	6 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>	
• at AC-15 at 230 V typical	100 000

Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	10 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
Thermal current	10 A
Material of the enclosure of the switch head	plastic
Reference code acc. to DIN EN 81346-2	B
Reference code acc. to DIN EN 61346-2	B
Continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
Continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
Continuous current of the DIAZED fuse link gG	6 A
Active principle	mechanical
Repeat accuracy	0.05 mm
Minimum actuating force in activation direction	20 N
Length of the sensor	75.7 mm
Width of the sensor	31 mm
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
Number of CO contacts for auxiliary contacts	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
Design of the interface for safety-related communication	without

#### Enclosure

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

#### Drive Head

Design of the operating mechanism	Rounded plunger, Teflon plunger
Standard-compliant actuator head	EN 50047, design B
Shape of the switch head	rounded

Design of the switching function	positive opening, integrated
Circuit principle	snap-action contacts
Number of switching contacts safety-related	1

#### Connections/ Terminals

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



[Type Examination Certificate](#)

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

[Type Test Certificates/Test Report](#)

[Confirmation](#)

#### Further information

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

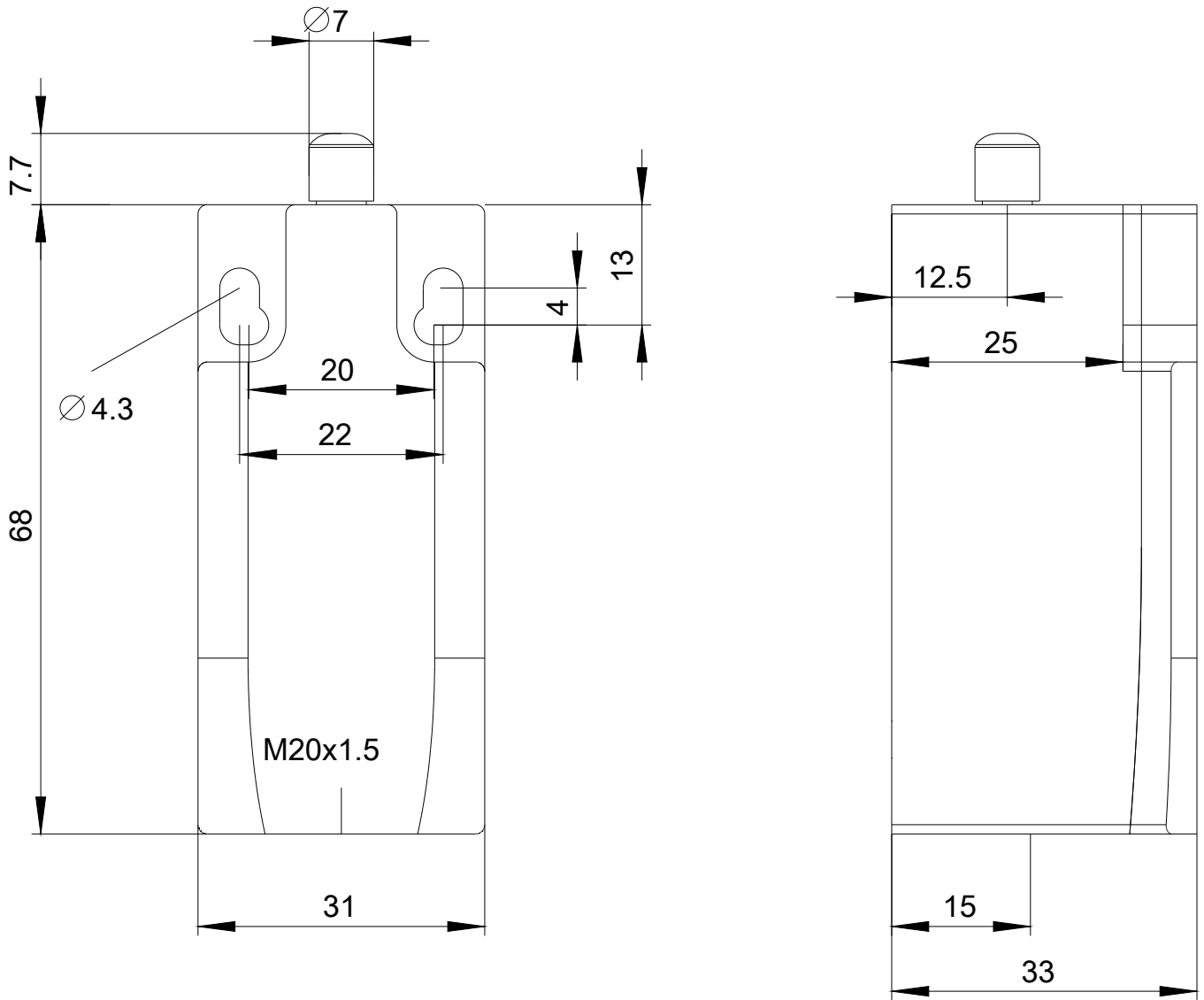
[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)

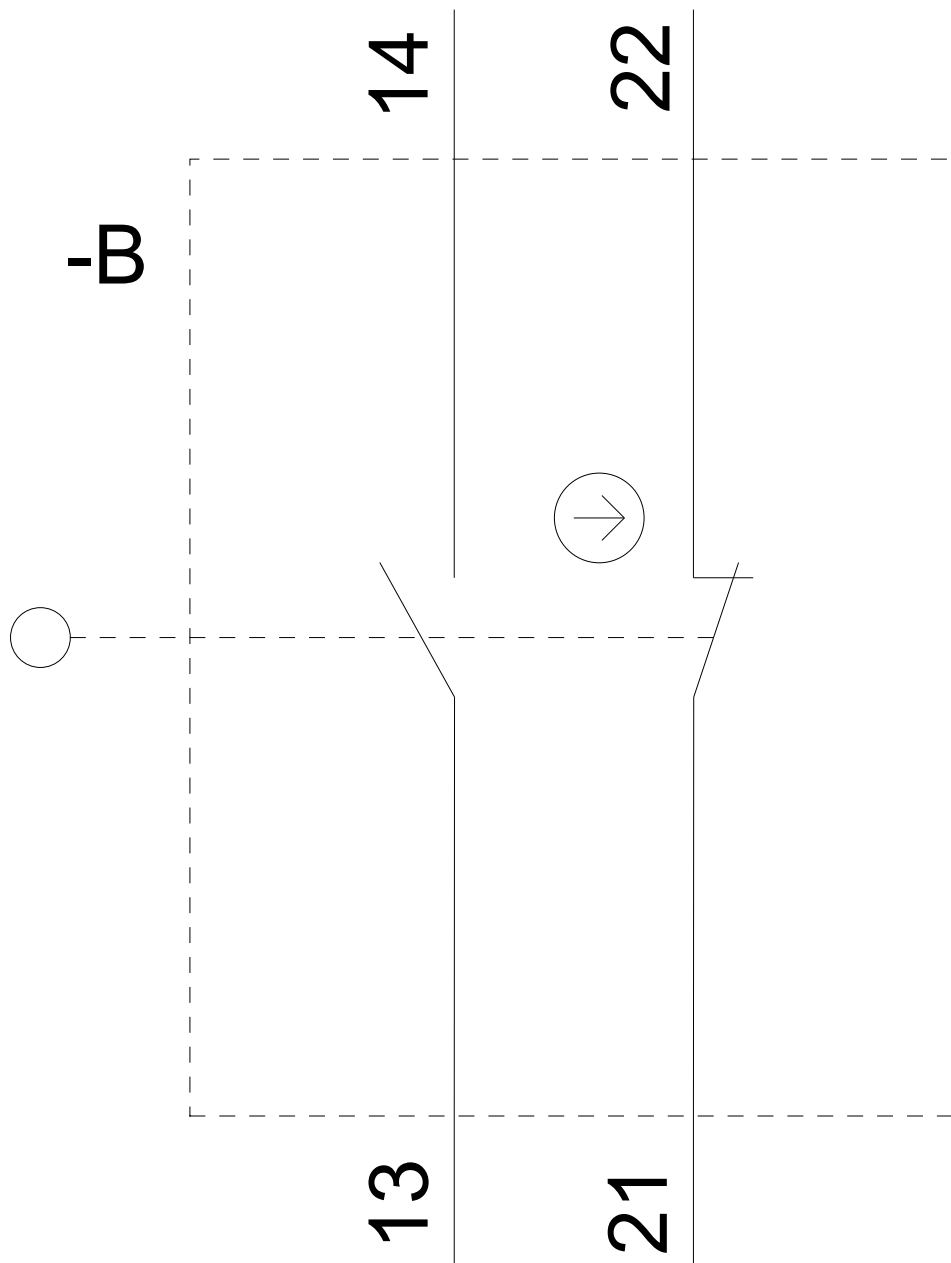
Industry Mall (Online ordering system)

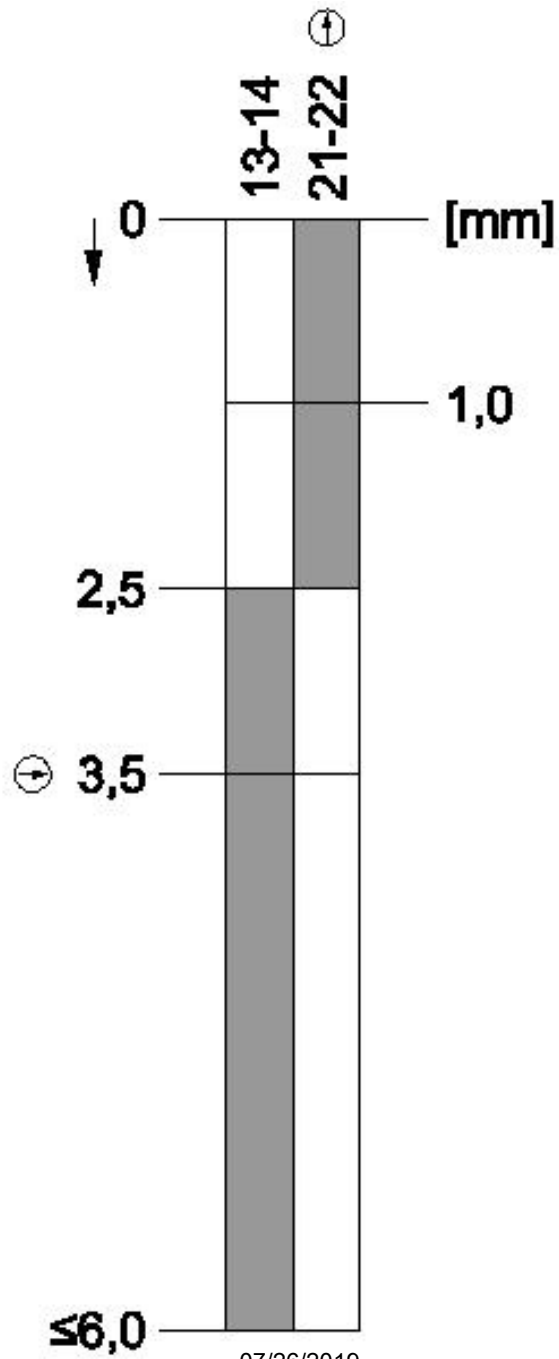
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5232-0HC05>

Cax online generator

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