



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

<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 switching contacts	<a href="#">3SE5000-0KA00</a>
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
<b>insulation voltage rated value</b>	400 V
<b>degree of pollution</b>	class 3
<b>surge voltage resistance rated value</b>	6 kV
<b>protection class IP</b>	IP66/IP67
<b>shock resistance</b>	
• according to IEC 60068-2-27	30g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
<b>vibration resistance</b>	
• according to IEC 60068-2-6	0.35 mm/5g
• for railway applications according to EN 61373	Category 1, Class B
<b>mechanical service life (operating cycles) typical</b>	15 000 000
<b>electrical endurance (operating cycles) at AC-15 at 230 V typical</b>	100 000
<b>thermal current</b>	10 A
<b>material of the enclosure of the switch head</b>	metal
<b>reference code according to IEC 81346-2</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>Substance Prohibitance (Date)</b>	07/01/2006
<b>Weight</b>	0.188 kg
<b>minimum actuating force in directions of actuation</b>	20 N
<b>length of the sensor</b>	75.7 mm
<b>width of the sensor</b>	31 mm
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
• during operation	-40 ... +85 °C
• during storage	-40 ... +90 °C
<b>explosion protection category for dust</b>	none

Main circuit	
design of the switching contact	mechanical
operating frequency rated value	50 ... 60 Hz
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	1
operational current at AC-15	
<ul style="list-style-type: none"> <li>at 24 V rated value</li> <li>at 120 V rated value</li> <li>at 240 V rated value</li> <li>at 400 V rated value</li> </ul>	6 A 6 A 6 A 4 A
operational current at DC-13	
<ul style="list-style-type: none"> <li>at 24 V rated value</li> <li>at 125 V rated value</li> <li>at 250 V rated value</li> <li>at 400 V rated value</li> </ul>	3 A 0.55 A 0.27 A 0.12 A

Enclosure	
design of the housing	block, narrow
material of the enclosure	metal
coating of the enclosure	cathodic dip coating
design of the housing according to standard	Yes

Drive Head	
design of the actuating element	Rounded plunger, plastic plunger
standard-compliant actuator head	EN 50047, design B
shape of the switch head	rounded
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	2
cable entry type	1x (M20 x 1.5)

Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing

Connections/ Terminals	
type of electrical connection	screw terminal
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> <li>solid</li> <li>finely stranded with core end processing</li> <li>for AWG cables solid</li> <li>for AWG cables stranded</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) 1x (20 ... 16), 2x (20 ... 18) 1x (20 ... 16), 2x (20 ... 18)
design of the interface for safety-related communication	without

Communication/ Protocol	
design of the interface	without

Approvals Certificates	
General Product Approval	



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Functional Safety	Test Certificates	other	Environment
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[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)

[Type Test Certificates/Test Report](#)



[Confirmation](#)

[Environmental Confirmations](#)

Further information
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Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5212-0KC05-1AJ0>

Cax online generator

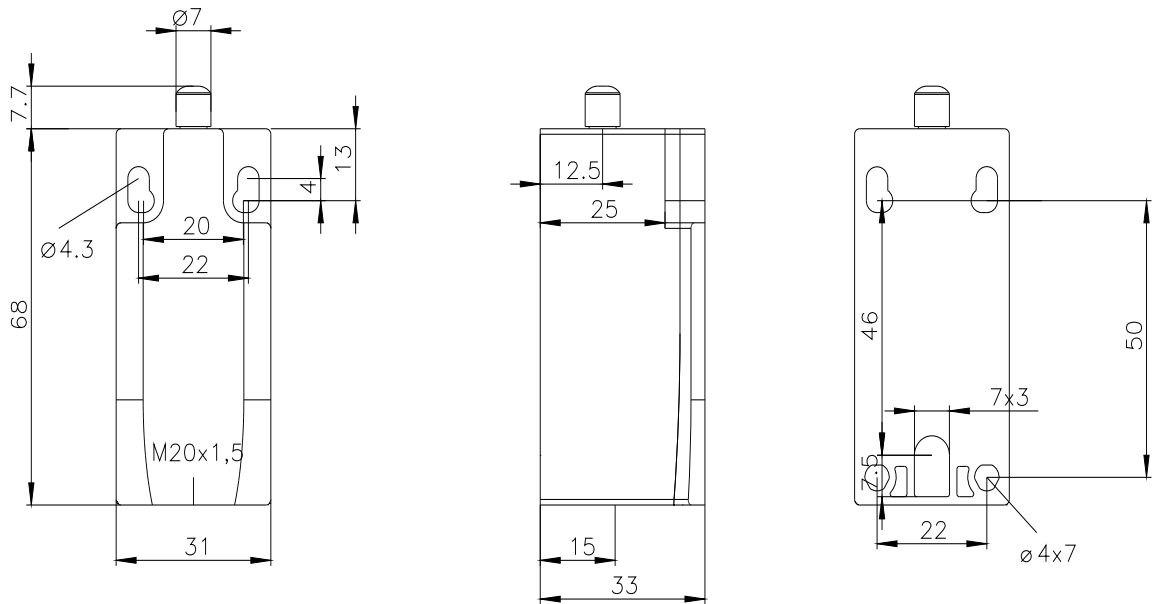
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5212-0KC05-1AJ0>

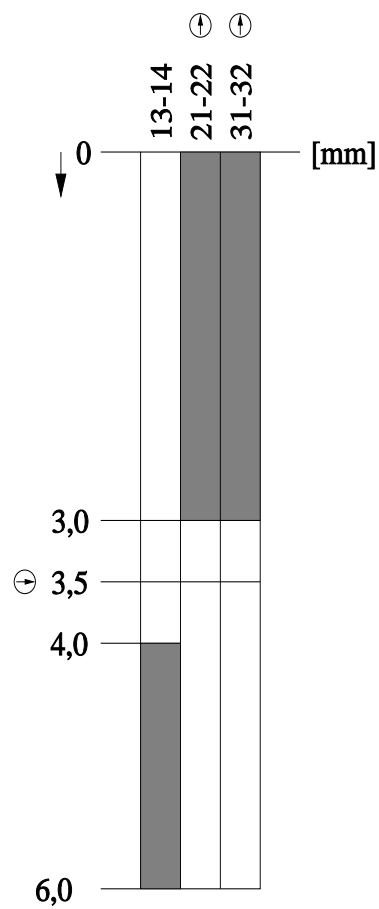
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5212-0KC05-1AJ0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5212-0KC05-1AJ0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5212-0KC05-1AJ0&lang=en)





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