



Position switch Metal enclosure according to EN 50047, 31 mm Device connection 1 x (M20 x 1.5) 1 NO/1 NC quick action contacts adjustable-length twist lever right/left adjustable with plastic roller 19 mm

<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 actuator head for position switches</li> <li>• of the supplied operating lever</li> <li>• of the supplied switching contacts</li> <li>• of the supplied empty enclosure with cover</li> </ul>	<a href="#">3SE5000-0AK00</a> <a href="#">3SE5000-0AA50</a> <a href="#">3SE5000-0CA00</a> <a href="#">3SE5212-0AC05</a>
suitability for use safety switch	No
<b>General technical data</b>	
product function positive opening	No
<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>	
<ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> </ul>	30g / 11 ms
<b>vibration resistance</b>	
<ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> </ul>	0.35 mm/5g
<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 Prohibition (Date)</b>	07/01/2006
<b>SVHC substance name</b>	Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7
<b>Weight</b>	0.236 kg
<b>minimum actuating torque in directions of actuation</b>	0.25 N·m
<b>length of the sensor</b>	182 mm
<b>width of the sensor</b>	31 mm
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>	-25 ... +85 °C -40 ... +90 °C

explosion protection category for dust	none
<b>Main circuit</b>	
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
operational current at AC-15	
• at 24 V rated value	6 A
• at 120 V rated value	6 A
• at 240 V rated value	6 A
• at 400 V rated value	4 A
operational current at DC-13	
• 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>Enclosure</b>	
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

<b>Drive Head</b>	
design of the actuating element	Adjustable twist lever, adjustable-length metal lever, 100 mm long, plastic roller 19 mm
standard-compliant actuator head	EN 50047, design A
shape of the switch head	roller
circuit principle	snap-action contacts
number of switching contacts safety-related	0
cable entry type	1x (M20 x 1.5)

<b>Installation/ mounting/ dimensions</b>	
mounting position	any
fastening method	screw fixing

<b>Connections/ Terminals</b>	
type of electrical connection	screw terminal
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
• finely stranded with core end processing	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
• for AWG cables solid	1x (20 ... 16), 2x (20 ... 18)
• for AWG cables stranded	1x (20 ... 16), 2x (20 ... 18)
design of the interface for safety-related communication	without

<b>Communication/ Protocol</b>	
design of the interface	without

<b>Approvals Certificates</b>	
General Product Approval	Functional Safety



[Type Examination Certificate](#)

Test Certificates	other	Environment
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[Type Test Certificates/Test Report](#)



[Confirmation](#)

[Environmental Conformations](#)

**Further information**

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information for data generation and storage



