



Position switch Plastic enclosure according to EN 50047, 50 mm Device connection 2 x (M20 x 1.5) 1 NO/2 NC quick action contacts 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="#">3SE5000-0AA21</a> <a href="#">3SE5000-0LA00</a> <a href="#">3SE5242-0AC05</a>
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
insulation voltage rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	6 kV
protection class IP	IP66/IP67
shock resistance	
<ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> </ul>	30g / 11 ms
vibration resistance	
<ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> </ul>	0.35 mm/5g
mechanical service life (operating cycles) typical	15 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
thermal current	10 A
material of the enclosure of the switch head	plastic
reference code according to IEC 81346-2	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
Substance Prohibition (Date)	07/01/2006
SVHC substance name	Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7
Weight	0.132 kg
minimum actuating torque in directions of actuation	0.25 N·m
length of the sensor	96.3 mm
width of the sensor	50 mm
<b>Ambient conditions</b>	
ambient temperature	
<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	2
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, wide
material of the enclosure	plastic
coating of the enclosure	Other types
design of the housing according to standard	No
<b>Drive Head</b>	
design of the actuating element	Twist lever, metal lever, 21 mm long, straight, plastic roller 19 mm
standard-compliant actuator head	EN 50047, design A
shape of the switch head	roller
design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	2
cable entry type	2x (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

[Type Test Certificates/Test Report](#)



[Confirmation](#)

[Environmental Confirmations](#)

#### Further information

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=3SE5242-0LK21>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5242-0LK21>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5242-0LK21>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5242-0LK21&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5242-0LK21&lang=en)



