



Safety position switch with separate actuator Plastic enclosure, 31 mm according to EN 50047 1 NO/1 NC slow-action contacts 5 directions of approaches with M12 connector, 4-pole Pin assignment: Pin1=21, Pin2=22 Pin3=13, Pin4=14 for max. 250 V and 4 A The matching separate actuator 3SE5000-0AV0. must be ordered separately

product brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SE5
manufacturer's article number	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical fixing, 3SE5000-0AV03 actuator with transverse fixing, 3SE5000-0AV04 radius actuator, approach from left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator, approach from right, 3SE5000-0AV07 Heavy Duty actuator, 3SE5000-0AW42 actuator with vertical fixing, stainless steel socket, 3SE5000-0AW43 actuator with transverse fixing, stainless steel socket, 3SE5000-0AW51 stainless steel actuator, 3SE5000-0AW52 stainless steel actuator with vertical fixing, 3SE5000-0AW53 stainless steel actuator with transverse fixing, 3SE5000-0AW11 plastic actuator
<ul style="list-style-type: none"> <li>of the optional actuators</li> </ul>	
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
insulation voltage rated value	250 V
degree of pollution	class 3
surge voltage resistance rated value	3 kV
protection class IP	IP65
shock resistance	30 g / 11 ms
<ul style="list-style-type: none"> <li>according to IEC 60068-2-27</li> </ul>	
vibration resistance	0.35 mm/5 g
<ul style="list-style-type: none"> <li>according to IEC 60068-2-6</li> </ul>	
mechanical service life (operating cycles) typical	1 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
thermal current	4 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	4 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	4 A; for a short-circuit current smaller than 400 A
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (Date)	07/01/2006
SVHC substance name	Imidazolidine-2-thione (2-imidazoline-2-thiol) CAS-No. 96-45-7
Net Weight	0.128 kg
minimum actuating force in directions of actuation	20 N
length of the sensor	118 mm
width of the sensor	31 mm
<b>Ambient conditions</b>	

<b>ambient temperature</b>			
• during operation	-25 ... +85 °C		
• during storage	-40 ... +90 °C		
<b>explosion protection category for dust</b>	none		
<b>Main circuit</b>			
<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>	1		
<b>number of NO contacts for auxiliary contacts</b>	1		
<b>operational current at AC-15</b>			
• at 24 V rated value	4 A		
• at 125 V rated value	4 A		
• at 240 V rated value	4 A		
<b>operational 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		
<b>Enclosure</b>			
<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 according to standard</b>	Yes		
<b>Drive Head</b>			
<b>design of the actuating element</b>	without		
<b>standard-compliant actuator head</b>	EN 50047		
<b>design of the switching function</b>	positive opening		
<b>circuit principle</b>	slow-action contacts		
<b>number of switching contacts safety-related</b>	1		
<b>cable entry type</b>	M12 plug		
<b>design of plug-in connection</b>	M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14		
<b>Installation/ mounting/ dimensions</b>			
<b>mounting position</b>	any		
<b>fastening method</b>	screw fixing		
<b>Connections/ Terminals</b>			
<b>type of electrical connection</b>	M12 plug, fixed		
<b>design of the interface for safety-related communication</b>	without		
<b>Communication/ Protocol</b>			
<b>design of the interface</b>	without		
<b>Safety related data</b>			
<b>product function suitable for safety function</b>	Yes		
<b>service life maximum</b>	20 a		
<b>test wear-related service life necessary</b>	Yes		
<b>proportion of dangerous failures</b>			
• with low demand rate according to SN 31920	20 %		
• with high demand rate according to SN 31920	20 %		
<b>B10 value with high demand rate according to SN 31920</b>	1 000 000		
<b>failure rate [FIT] with low demand rate according to SN 31920</b>	100 FIT		
<b>ISO 13849</b>			
<b>device type according to ISO 13849-1</b>	3		
<b>IEC 61508</b>			
<b>safety device type according to IEC 61508-2</b>	A		
<b>Approvals Certificates</b>			
<b>General Product Approval</b>	<b>Test Certificates</b>	<b>other</b>	<b>Environment</b>



[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=3SE5234-0RV40-1AC4>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5234-0RV40-1AC4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5234-0RV40-1AC4>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5234-0RV40-1AC4&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5234-0RV40-1AC4&lang=en)



