



Safety position switch with separate actuator Metal enclosure, 40 mm  
 Device connection 1x (M20 x 1.5) Slow-action contacts 1 NO/2 NC 5  
 directions of approaches The matching separate actuator 3SE5000-0AV0.  
 must be ordered separately

product brand name  
 product designation  
 product type designation  
 manufacturer's article number

- of the optional actuators

SIRIUS  
 Mechanical safety switches  
 3SE5

3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with  
 vertical mounting, 3SE5000-0AV03 actuator with horizontal mounting,  
 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal  
 actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy-  
 duty actuator, 3SE5000-0AW11 plastic actuator, 3SE5000-0AW21  
 stainless steel actuator  
 Yes

suitability for use safety switch

### General technical data

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 according to IEC 60068-2-6	0.35 mm/5g
mechanical service life (operating cycles) typical	1 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
electrical endurance (operating cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	1 000 000
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	metal
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; for a short-circuit current smaller than 400 A
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (Date)	07/01/2006
minimum actuating force in directions of actuation	20 N
length of the sensor	110 mm
width of the sensor	40 mm

### Ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-25 ... +85 °C

<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +90 °C
<b>explosion protection category for dust</b>	none
<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>	2
<b>number of NO contacts for auxiliary contacts</b>	1
<b>operational current at AC-15</b>	
<ul style="list-style-type: none"> <li>at 24 V rated value</li> </ul>	6 A
<ul style="list-style-type: none"> <li>at 120 V rated value</li> </ul>	6 A
<ul style="list-style-type: none"> <li>at 240 V rated value</li> </ul>	4 A
<ul style="list-style-type: none"> <li>at 400 V rated value</li> </ul>	4 A
<b>operational current at DC-13</b>	
<ul style="list-style-type: none"> <li>at 24 V rated value</li> </ul>	3 A
<ul style="list-style-type: none"> <li>at 125 V rated value</li> </ul>	0.55 A
<ul style="list-style-type: none"> <li>at 250 V rated value</li> </ul>	0.27 A
<ul style="list-style-type: none"> <li>at 400 V rated value</li> </ul>	0.12 A

### Enclosure

<b>design of the housing</b>	block, narrow
<b>material of the enclosure</b>	metal
<b>coating of the enclosure</b>	cathodic dip coating
<b>design of the housing according to standard</b>	Yes

### Drive Head

<b>design of the actuating element</b>	without
<b>design of the switching function</b>	positive opening
<b>circuit principle</b>	slow-action contacts
<b>number of switching contacts safety-related</b>	2
<b>cable entry type</b>	1x (M20 x 1.5)

### Installation/ mounting/ dimensions

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

### Connections/ Terminals

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

### Communication/ Protocol

<b>design of the interface</b>	without
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### Safety related data

B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures with high demand rate according to SN 31920	20 %

### Certificates/ approvals

#### General Product Approval



[Confirmation](#)



<b>Functional Safety/Safety of Machinery</b>	<b>Declaration of Conformity</b>	<b>other</b>
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[Type Examination Certificate](#)



[Confirmation](#)



