



SIRIUS POSITION SWITCH METAL ENCLOSURE 40MM ACC. TO EN50041 DEVICE CONNECTION 1X (M20X1.5) 1NO/1NC SNAP-ACTION CONTACTS SPRING ROD ACTUATOR 142.5 MM TOTAL LENGTH, PLASTIC PLUNGER 50MM

<b>Product designation</b>	standard position switch
<b>Manufacturer article number</b>	
<ul style="list-style-type: none"> <li>• of the supplied basic switch</li> </ul>	<a href="#">3SE5112-0CA00</a>
<ul style="list-style-type: none"> <li>• of the supplied actuator head for position switches</li> </ul>	<a href="#">3SE5000-0AR01</a>
<ul style="list-style-type: none"> <li>• of the supplied switching contacts</li> </ul>	<a href="#">3SE5000-0CA00</a>
<ul style="list-style-type: none"> <li>• of the supplied empty enclosure with cover</li> </ul>	<a href="#">3SE5112-0AA00</a>

General technical data:

<b>Product function</b>	No
<ul style="list-style-type: none"> <li>• positive opening</li> </ul>	
<b>Insulation voltage</b>	400 V
<ul style="list-style-type: none"> <li>• Rated value</li> </ul>	
<b>Degree of pollution</b>	class 3
<b>Shock resistance</b>	30 g / 11 ms
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> </ul>	
<b>Vibration resistance</b>	0.35 mm/5g
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> </ul>	
<b>Surge voltage resistance Rated value</b>	6 kV
<b>Mechanical service life (switching cycles)</b>	10 000 000
<ul style="list-style-type: none"> <li>• typical</li> </ul>	
<b>Electrical endurance (switching cycles)</b>	100 000
<ul style="list-style-type: none"> <li>• at AC-15 at 230 V typical</li> </ul>	
<b>Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b>	10 000 000

<b>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</b>	6 000
<b>Thermal current</b>	6 A
<b>Material of the enclosure of the switch head</b>	plastic
<b>Protection class IP</b>	IP65/IP67
<b>Equipment marking</b>	
• acc. to DIN EN 61346-2	B
• acc. to DIN EN 81346-2	B
<b>Active principle</b>	mechanical
<b>Repeat accuracy</b>	0.05 mm
Explosion protection category for dust	none
Explosion protection category for gas	none
Minimum actuating torque in activation direction	0.25 N·m
<b>Operating current at AC-15</b>	
• at 230 V Rated value	6 A
• at 400 V Rated value	4 A
Operating current	
• at DC-13 at 125 V Rated value	0.55 A
• at DC-13 at 400 V Rated value	0.1 A
Operating current	
• at DC-13 — at 24 V Rated value	3 A

#### Enclosure:

<b>Design of the housing</b>	block, narrow
<b>Material of the enclosure</b>	metal
<b>Coating of the enclosure</b>	cathodic immersion coating
<b>Design of the housing acc. to standard</b>	Yes

#### Drive Head:

<b>Design of the operating mechanism</b>	total length = 142.5 mm (spring 50 mm, plastic plunger 50 mm)
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#### Connections/ Terminals:

<b>Type of electrical connection</b>	screw-type terminals
<b>Type of connectable conductor cross-section</b>	
• 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> )
• finely stranded without core end processing	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
• for AWG conductors	
— solid	1x (20 ... 16), 2x (20 ... 18)
— stranded	1x (20 ... 16), 2x (20 ... 18)

#### Mechanical data:

<b>Cable entry type</b>	1x (M20 x 1.5)
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### Communication/ Protocol:

**Design of the interface** without

### Ambient conditions:

**Ambient temperature**





- during operation -25 ... +85 °C
- during storage -40 ... +90 °C

### Installation/ mounting/ dimensions:

**mounting position** any

**Mounting type** screw fixing

### Certificates/ approvals:

General Product Approval	Declaration of Conformity	Test Certificates	other		
 CSA	 UL		 EG-Konf.	<a href="#">Special Test Certificate</a>	<a href="#">Confirmation</a>

### Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE51120CR01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE51120CR01>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE51120CR01&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE51120CR01&lang=en)

