



Position switch Plastic enclosure open type 30 mm 1 NO/1 NC slow-action contacts Metal plunger, IP20

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Open-type position switches
<b>product type designation</b>	3SE5
<b>manufacturer's article number</b>	
• of the supplied switching contacts	<a href="#">3SE5000-0BA00</a>
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
insulation voltage rated value	400 V
<b>degree of pollution</b>	class 3
<b>surge voltage resistance rated value</b>	6 kV
<b>protection class IP</b>	IP20, conductor connected and clamping screw screwed in
<b>shock resistance</b>	
• according to IEC 60068-2-27	30g / 11 ms
<b>vibration resistance</b>	
• according to IEC 60068-2-6	0.35 mm/5g
mechanical service life (switching cycles) typical	15 000 000
• note	1000000 at 30° angle of approach
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000
<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>	10 A
<b>material of the enclosure of the switch head</b>	plastic
<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 Prohibitance (Date)</b>	07/01/2006
<b>minimum actuating force in directions of actuation</b>	20 N
<b>length of the sensor</b>	59.2 mm
<b>width of the sensor</b>	30 mm
<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	6 A
• at 120 V rated value	6 A
• at 240 V rated value	6 A
• at 400 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
• at 400 V rated value	0.12 A
design of the interface for safety-related communication	without

#### Enclosure

<b>material of the enclosure</b>	plastic, open-type
<b>coating of the enclosure</b>	Other types
<b>design of the housing according to standard</b>	No

#### Drive Head

<b>design of the actuating element</b>	Rounded plunger, metal plunger
<b>standard-compliant actuator head</b>	EN 50047, design B
<b>shape of the switch head</b>	rounded
<b>design of the switching function</b>	positive opening
<b>circuit principle</b>	slow-action contacts
number of switching contacts safety-related	1

#### Connections/ Terminals

<b>type of electrical connection</b>	screw-type terminals
<b>type of connectable conductor cross-sections</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> )
• at AWG cables solid	1x (20 ... 16), 2x (20 ... 18)
• at AWG cables stranded	1x (20 ... 16), 2x (20 ... 18)

#### Communication/ Protocol

<b>design of the interface</b>	without
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#### Ambient conditions

<b>ambient temperature</b>	
• during operation	-25 ... +85 °C
• during storage	-40 ... +90 °C
<b>explosion protection category for dust</b>	none

#### Installation/ mounting/ dimensions

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

#### Certificates/ approvals

##### General Product Approval



[Confirmation](#)



[KC](#)



General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	other
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[Type Examination Certificate](#)



[Type Test Certificates/Test Report](#)

[Confirmation](#)

#### Further information

**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=3SE5250-0BC05>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5250-0BC05>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5250-0BC05>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5250-0BC05&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5250-0BC05&lang=en)

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