



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

**product brand name**  
**product designation**  
**product type designation**  
**manufacturer's article number**  
 • of the supplied switching contacts  
**suitability for use safety switch**

**SIRIUS**  
 Open-type position switches  
**3SE5**  
[3SE5000-0CA00](#)  
 Yes

### General technical data

product function positive opening	Yes
<b>insulation voltage rated value</b>	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>	30g / 11 ms
• according to IEC 60068-2-27	
<b>vibration resistance</b>	0.35 mm/5g
• according to IEC 60068-2-6	15 000 000
<b>mechanical service life (operating cycles) typical</b>	1000000 at 30° angle of approach
• note	100 000
<b>electrical endurance (operating cycles) at AC-15 at 230 V typical</b>	10 000 000
<b>electrical endurance (operating cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b>	6 000
<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

### Ambient conditions

<b>ambient temperature</b>	
• during operation	-25 ... +85 °C
• during storage	-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>	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

#### 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>	snap-action contacts
number of switching contacts safety-related	1

#### 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>	
• 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)
design of the interface for safety-related communication	without

#### Communication/ Protocol

<b>design of the interface</b>	without
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#### 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](#)



EG-Konf.



[Type Test Certificates/Test Report](#)

[Confirmation](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these

products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**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=3SE5250-0CC05>

**Cax online generator**

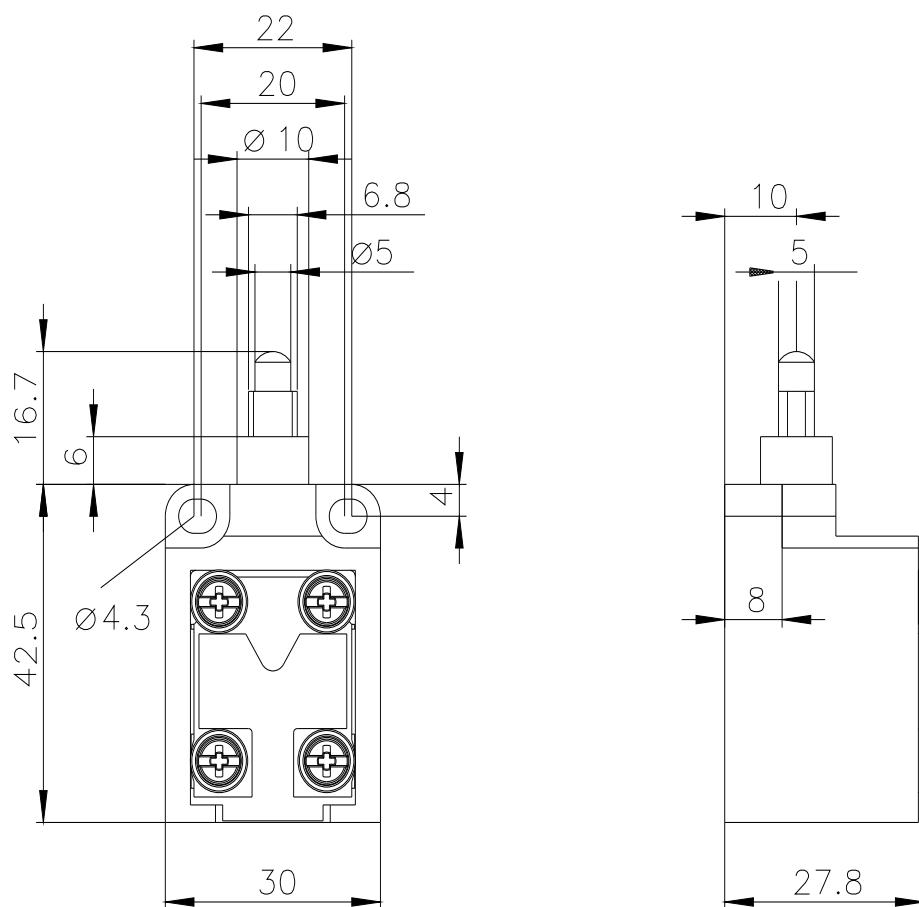
<http://support.automation.siemens.com/WWW/CAxorder/default.aspx?lang=en&mlfb=3SE5250-0CC05>

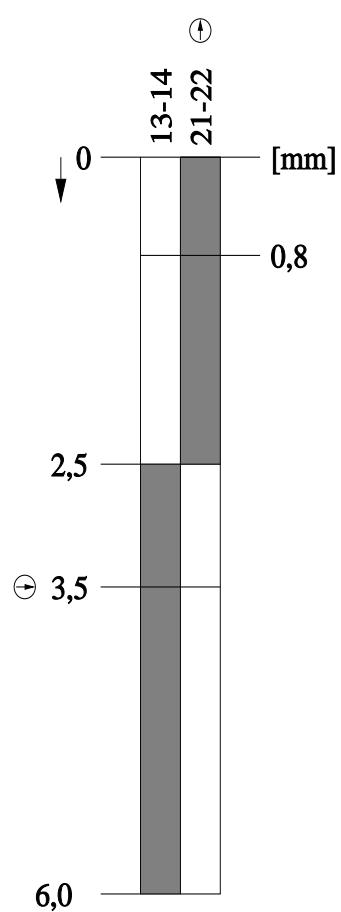
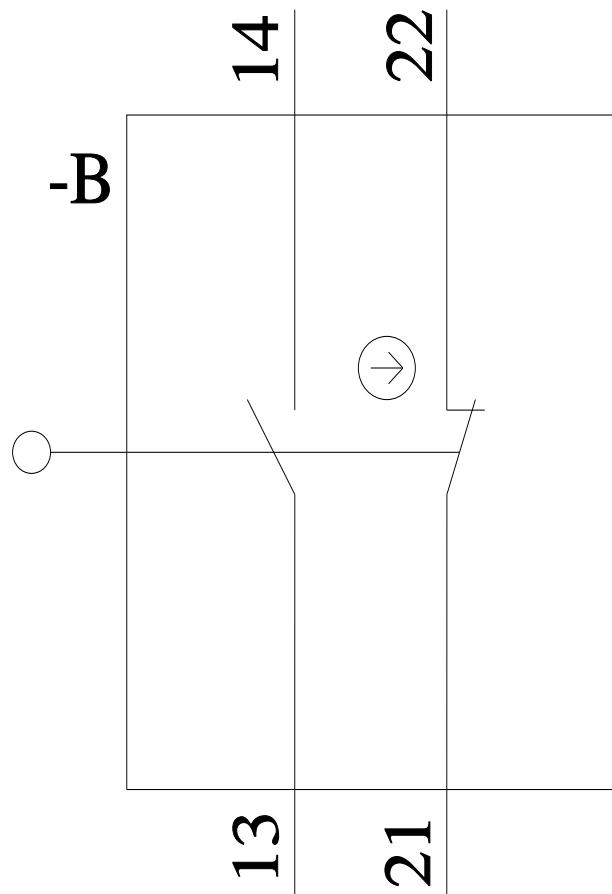
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5250-0CC05>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5250-0CC05&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5250-0CC05&lang=en)





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