



Position switch Plastic enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC slow-action contacts Plain plunger with stainless steel plunger

**product brand name**

SIRIUS

**product designation**

Mechanical position switches

**product type designation**

3SE5

**manufacturer's article number**

- of the supplied basic switch
- of the supplied actuator head for position switches
- of the supplied switching contacts
- of the supplied empty enclosure with cover

[3SE5132-0BA00](#)

[3SE5000-0AB01](#)

[3SE5000-0BA00](#)

[3SE5132-0AA00](#)

**suitability for use safety switch**

Yes

### 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**

- according to IEC 60068-2-27

30g / 11 ms

**vibration resistance according to IEC 60068-2-6**

0.35 mm/5g

**mechanical service life (switching cycles) typical**

15 000 000

**electrical endurance (switching cycles) at AC-15 at 230 V typical**

100 000

**electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical**

10 000 000

**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**

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**

10 A; for a short-circuit current smaller than 400 A

**continuous current of the DIAZED fuse link gG**

6 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**

93.5 mm

**width of the sensor**

40 mm

### Ambient conditions

**ambient temperature**

- during operation
- during storage

-25 ... +85 °C

-40 ... +90 °C

explosion protection category for dust	none
design of the switching contact	mechanical
operating frequency rated value	50 ... 60 Hz
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
operational current at AC-15	
• at 24 V rated value	6 A
• at 125 V rated value	6 A
• at 240 V rated value	6 A
• at 400 V rated value	4 A
operational current at DC-13	
• 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

<b>Enclosure</b>	
design of the housing	block, narrow
material of the enclosure	plastic
coating of the enclosure	Other types
design of the housing according to standard	Yes

<b>Drive Head</b>	
design of the actuating element	Rounded plunger, high-grade steel plunger
standard-compliant actuator head	EN 50041, design B
shape of the switch head	rounded
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	1
cable entry type	1x (M20 x 1.5)

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

<b>Connections/ Terminals</b>	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• finely stranded with core end processing	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• 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

<b>Communication/ Protocol</b>	
design of the interface	without

<b>Certificates/ approvals</b>	
General Product Approval	



[Confirmation](#)



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

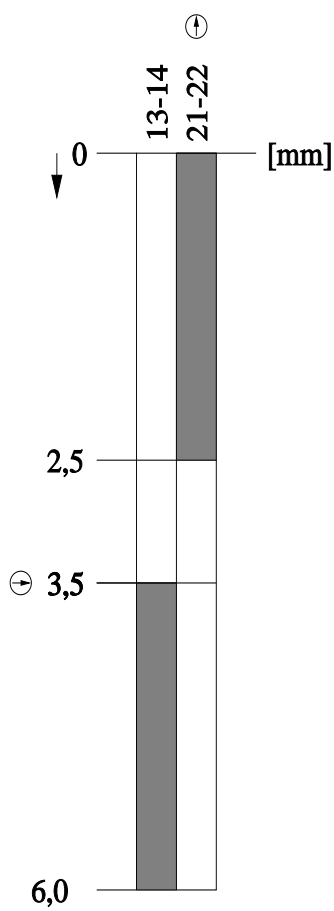
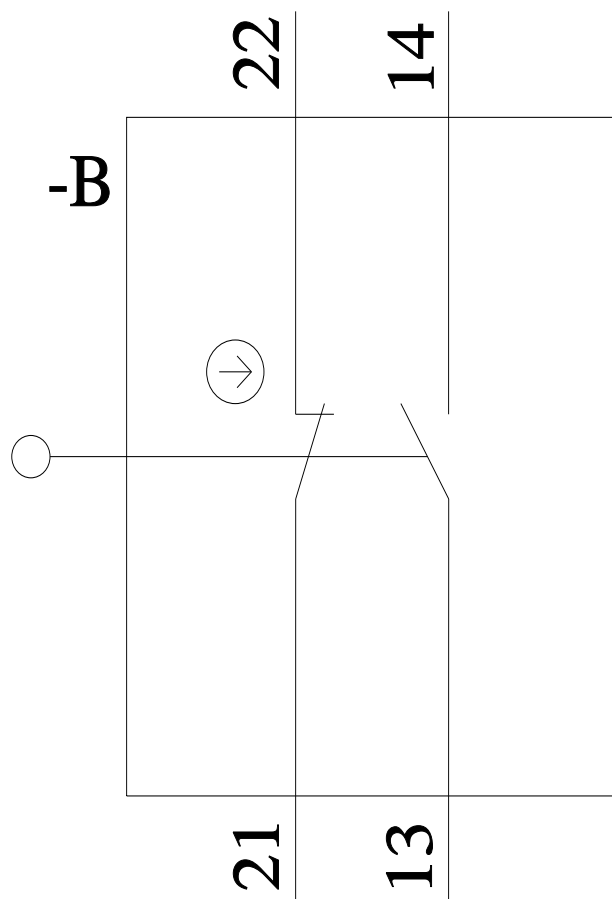


[Confirmation](#)

<b>Further information</b>
Information- and Downloadcenter (Catalogs, Brochures,...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5132-0BB01&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5132-0BB01&lang=en)





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