



BASIC SWITCH FOR POSITION SWITCH 3SE51,  
METAL ENCLOSURE 40MM TO EN50041 1NO/1NC SLOW  
-ACTION CONTACTS W. M12 CONNECTOR,  
5-POLE, FIXED PIN ASSIGNMENT: PIN1=21,  
PIN2 =22, PIN3=13, PIN4=14,  
PIN5=PE W/O ACTUATOR HEAD

### Manufacturer article number

- of the basic unit included in the scope of supply

[3SE5114-0BA00-1AC5](#)

### General technical details:

#### product designation

basic switch for standard position switches

#### Insulation voltage

- rated value

V

125

#### Degree of pollution

class 3

#### Thermal current

A

4

#### Operating current

- at AC-15
  - at 24 V / rated value
  - at 125 V / rated value
- at DC-13
  - at 24 V / rated value
  - at 125 V / rated value

A

4

A

4

A

3

A

0.55

#### Continuous current

- of the slow DIAZED fuse link
- of the quick DIAZED fuse link
- of the C characteristic circuit breaker

A

4

A

4

A

1

#### Mechanical operating cycles as operating time

• typical		15,000,000
<b>Electrical operating cycles as operating time</b>		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical		10,000,000
<b>Electrical operating cycles in one hour</b>		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026		6,000
<b>Repeat accuracy</b>	mm	0.05
<b>Design of the contact element</b>		slow-action contacts
<b>Number of NC contacts</b>		
• for auxiliary contacts		1
<b>Design of the switching function</b>		Positive opening with appropriate positive opening actuator head
<b>Number of NO contacts</b>		
• for auxiliary contacts		1
<b>Resistance against vibration</b>		0.35 mm / 5g
<b>Resistance against shock</b>		30g / 11 ms
<b>Ambient temperature</b>		
• during operating	°C	-25 ... 85
• during storage	°C	-40 ... 90
<b>Product specification</b>		
• for dimensions		EN 50041
<b>Width of the sensor</b>	mm	40
<b>material</b>		
• of the housing		metal
<b>Actuating speed</b>	mm/s / m/s	0.4 ... 2.5
<b>Minimum actuating force / in activation direction</b>	N	20
<b>Protection class IP</b>		IP66/IP67
<b>Built in orientation</b>		any
<b>Cable gland version</b>		M12 plug
<b>Design of the electrical connection</b>		M12 plug, fixed
<b>Design of the plug-in connection</b>		M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14, Pin 5 = PU
<b>Item designation</b>		
• according to DIN 40719 extendable after IEC 204-2		S
• according to DIN EN 61346-2		B

#### Certificates/approvals:

General Product Approval		Functional Safety / Safety of Machinery	Test Certificates
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CQC

[ROSTEST](#)



UL



VDE

[TÜV](#)

[Manufacturer](#)

other

[Manufacturer](#)

#### Further information:

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

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

##### Industry Mall (Online ordering system)

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

##### CAX-Online-Generator

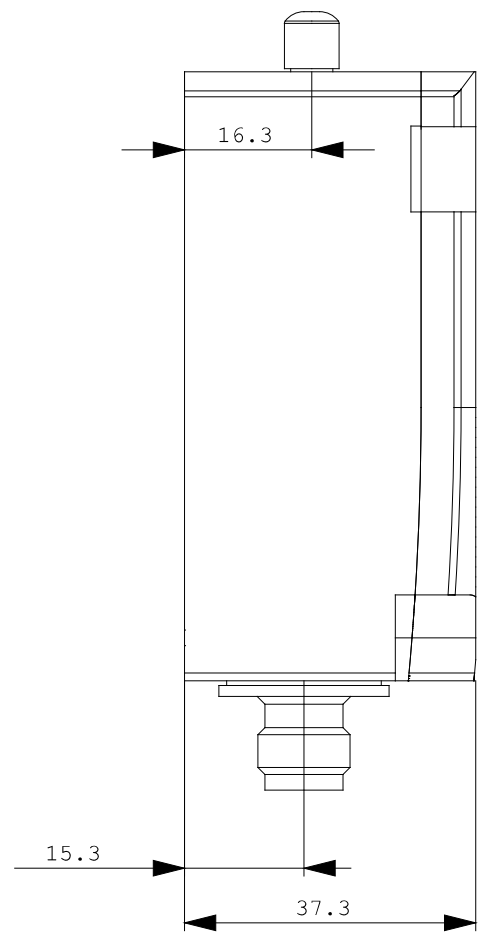
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SE5114-0BA00-1AC5/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5114-0BA00-1AC5](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5114-0BA00-1AC5)



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