# SIEMENS

### Data sheet

## 3SE5322-0SB22



Safety position switch with tumbler Locking force 1300 N 5 directions of approaches Solenoid-locked Magnet voltage 115 V AC Monitoring actuator 2 NC/1 NO Monitoring magnet 2 NC/1 NO The matching separate actuator 3SE5000-0AV0. must be ordered separately

product brand name
product designation
design of the product
product type designation
manufacturer's article number of the optional actuators

with separate actuator and with tumbler 3SE5 3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical fixing, 3SE5000-0AV03 actuator with transverse fixing, 3SE5000-0AV04 radius actuator, approach from left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator, approach from right, 3SE5000-0AV07 Heavy Duty actuator, 3SE5000-0AW42 actuator with vertical fixing, stainless steel socket, 3SE5000-0AW43 actuator with transverse fixing, stainless steel socket, 3SE5000-0AW51 stainless steel actuator, 3SE5000-0AW52 stainless steel actuator with vertical fixing, 3SE5000-0AW53 stainless steel actuator with transverse fixing Yes

#### suitability for use safety switch

General technical data	
product function positive opening	Yes
locking force	1 300 N
<ul> <li>according to EN ISO 14119</li> </ul>	1 000 N
insulation voltage rated value	250 V
degree of pollution	class 3
surge voltage resistance rated value	4 kV
protection class IP	IP66/IP67
shock resistance	30g / 11 ms
<ul> <li>according to IEC 60068-2-27</li> </ul>	30g / 11 ms
vibration resistance	0.35 mm / 5g
<ul> <li>according to IEC 60068-2-6</li> </ul>	0.35 mm/5g
mechanical service life (operating cycles) typical	1 000 000
electrical endurance (operating cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	1 000 000
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	В
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; for a short-circuit current smaller than 400 A
repeat accuracy	0.05 mm
Substance Prohibitance (Date)	10/01/2011
minimum actuating force in directions of actuation	30 N
length of the sensor	185 mm
width of the sensor	54 mm

SIRIUS

Mechanical safety switches

Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-40 +80 °C
explosion protection category for dust	none
consumed active power of magnet coil	4.5 W
operational current at AC-15	
• at 24 V rated value	6 A
<ul> <li>at 120 V rated value</li> </ul>	6 A
• at 240 V rated value	3 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
Enclosure	
design of the housing material of the enclosure	special design
design of the housing according to standard	plastic No
	NU
Drive Head	
design of the actuating element	5 directions of approach
design of the switching function	positive opening
number of directions of actuation	5
circuit principle	slow-action contacts
number of switching contacts safety-related	4
cable entry type	3x (M20 x 1.5)
locking mechanism design	magnetic field lock (open-circuit principle)
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
	-
Connections/ Terminals	
-	screw-type terminals
Connections/ Terminals	screw-type terminals
Connections/ Terminals type of electrical connection	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18)
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18)
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18)
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded Supply voltage	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18)
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded Supply voltage supply voltage of magnet coil	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded Supply voltage supply voltage of magnet coil design of the interface for safety-related communication	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded Supply voltage supply voltage of magnet coil design of the interface for safety-related communication Communication/ Protocol design of the interface	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V without
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded Supply voltage supply voltage of magnet coil design of the interface for safety-related communication Communication/ Protocol design of the interface Safety related data	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V without
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded Supply voltage supply voltage of magnet coil design of the interface for safety-related communication Communication/ Protocol design of the interface Safety related data B10 value with high demand rate according to SN 31920	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V without 1 000 000
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded Supply voltage supply voltage of magnet coil design of the interface for safety-related communication Communication/ Protocol design of the interface Safety related data	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V without
Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded Supply voltage supply voltage of magnet coil design of the interface for safety-related communication Communication/ Protocol design of the interface Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V without 1 000 000
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Connections/ Terminals         type of electrical connection         type of connectable conductor cross-sections         • solid         • finely stranded with core end processing         • at AWG cables solid         • at AWG cables stranded         Supply voltage         supply voltage of magnet coil         design of the interface for safety-related communication         Communication/ Protocol         design of the interface         Safety related data         B10 value with high demand rate according to SN 31920         proportion of dangerous failures with high demand rate according to SN 31920         Certificates/ approvals         General Product Approval	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V without 1 000 000
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Connections/ Terminals         type of electrical connection         type of connectable conductor cross-sections         isolid         isolid </td <td>1x (0.5 1.5 mm<sup>2</sup>), 2x (0.5 0.75 mm<sup>2</sup>) 1x (0.5 1.5 mm<sup>2</sup>), 2x (0.5 0.75 mm<sup>2</sup>) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V without 1 000 000</td>	1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 0.75 mm <sup>2</sup> ) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) 115 V without 1 000 000
Connections/ Terminals         type of electrical connection         type of connectable conductor cross-sections         i solid         i finely stranded with core end processing         i finely stranded with core end processing         i at AWG cables solid         i at AWG cables stranded         Supply voltage of magnet coil         design of the interface for safety-related communication         Communication/ Protocol         design of the interface         Safety related data         B10 value with high demand rate according to SN 31920         proportion of dangerous failures with high demand rate according to SN 31920         Certificates/ approvals         General Product Approval         Confirmation         Certificates/ approvals         Confirmation	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)         1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)         1x (20 16), 2x (20 18)         1x (20 16), 2x (20 18)         115 V         without         1 000 000         50 %         EAE EAE EAE





Type Test Certificates/Test Report **Confirmation** 

#### Further information

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=3SE5322-0SB22

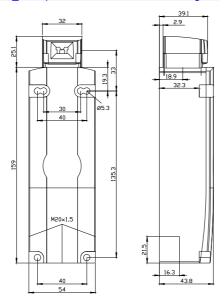
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5322-0SB22

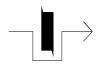
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

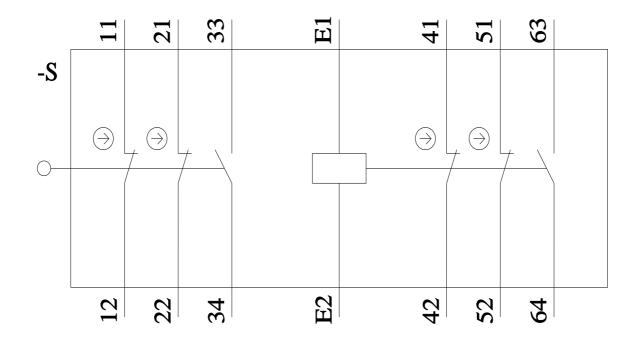
https://support.industry.siemens.com/cs/ww/en/ps/3SE5322-0SB22

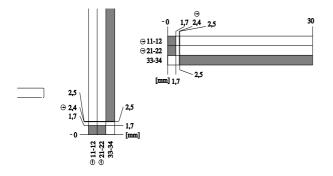
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5322-0SB22&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5322-0SB22&lang=en</a>











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