## **SIEMENS**

Data sheet 3SE5322-0SD21



Safety position switch with tumbler Locking force 1300 N 5 directions of approaches Spring-locked Auxiliary release on front Magnet voltage 24 V DC Monitoring actuator 2 NC/1 NO Monitoring magnet 2 NC/1 NO Supplied without actuator. please order separately

product brand name product designation design of the product product type designation

manufacturer's article number of the optional actuators

SIRIUS

Mechanical safety switches

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

locking force

according to EN ISO 14119

insulation voltage rated value

degree of pollution

surge voltage resistance rated value

protection class IP

shock resistance

• according to IEC 60068-2-27

vibration resistance

• according to IEC 60068-2-6

mechanical service life (operating cycles) typical electrical endurance (operating cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,

3RT1026 typical

Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,

3RT1026

thermal current

material of the enclosure of the switch head reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG

repeat accuracy

**Substance Prohibitance (Date)** 

minimum actuating force in directions of actuation

length of the sensor width of the sensor

Yes

1 300 N

1 000 N

class 3

4 kV

IP66/IP67

30g / 11 ms

30g / 11 ms

0.35 mm / 5g

0.35 mm/5g

1 000 000

1 000 000

6 000

10 A plastic

В

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

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

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

0.05 mm

10/01/2011

30 N

185 mm

54 mm

Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
<ul> <li>during storage</li> </ul>	-40 +80 °C
explosion protection category for dust	none
consumed active power of magnet coil	3.5 W
operational current at AC-15	
<ul><li>at 24 V rated value</li></ul>	6 A
<ul> <li>at 120 V rated value</li> </ul>	6 A
<ul><li>at 240 V rated value</li></ul>	3 A
operational current at DC-13	
<ul><li>at 24 V rated value</li></ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	0.55 A
<ul> <li>at 250 V rated value</li> </ul>	0.27 A
Enclosure	
design of the housing	special design
material of the enclosure	plastic
design of the housing according to standard	No
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	spring-actuated lock (closed-circuit principle) with auxiliary release
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
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)
<ul> <li>finely stranded with core end processing</li> </ul>	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)
Supply voltage	
supply voltage of magnet coil	24 V
design of the interface for safety-related communication	without
Communication/ Protocol	
design of the interface	without
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures with high demand rate according to SN 31920	20 %
Certificates/ approvals	
General Product Approval	



Confirmation











Type Test Certificates/Test Report

Confirmation

<u>Transport Information</u>

## 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=3SE5322-0SD21

Cax online generator

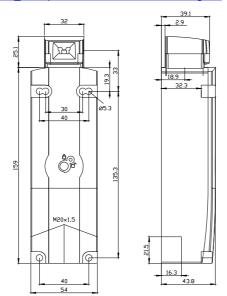
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5322-0SD21

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5322-0SD21

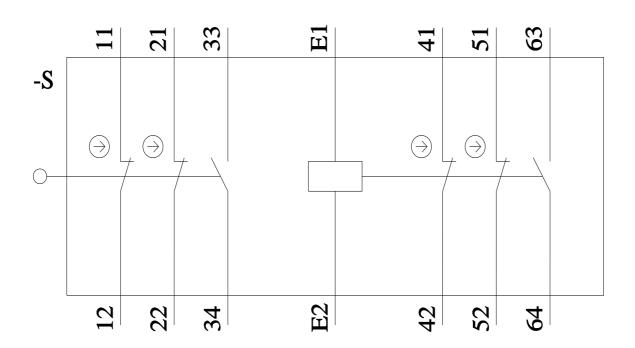
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

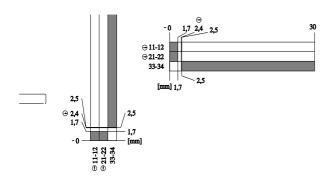
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5322-0SD21&lang=en











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