## **SIEMENS**

Data sheet 3SE5312-0SE11



Safety position switch with tumbler Locking force 2600 N 5 directions of approaches Spring-locked Auxiliary release with lock Magnet voltage 24 V DC Monitoring actuator 2 NC/1 NO Monitoring magnet 2 NC/1 NO Supplied without actuator. Actuator 3SE5000-0AV0. 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

2 600 N

2 000 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 metal

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	
during operation	-25 +60 °C
during storage	-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
at 120 V rated value	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	metal
coating of the enclosure	cathodic dip coating
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 and lock
Installation/ mounting/ dimensions	
mounting position	any
factoning mothed	screw fixing
fastening method	ociow ibang
Connections/ Terminals	Colon hang
	screw-type terminals
Connections/ Terminals  type of electrical connection type of connectable conductor cross-sections	screw-type terminals
Connections/ Terminals type of electrical connection	screw-type terminals  1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
Connections/ Terminals  type of electrical connection type of connectable conductor cross-sections	screw-type terminals  1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
type of electrical connection type of connectable conductor cross-sections  • solid  • finely stranded with core end processing  • at AWG cables solid	screw-type terminals  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)
type of electrical connection type of connectable conductor cross-sections  • solid  • finely stranded with core end processing	screw-type terminals  1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
type of electrical connection type of connectable conductor cross-sections  • solid  • finely stranded with core end processing  • at AWG cables solid	screw-type terminals  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)
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	screw-type terminals  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)
type of electrical connection type of connectable conductor cross-sections	screw-type terminals  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)
type of electrical connection type of connectable conductor cross-sections	screw-type terminals  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)
type of electrical connection type of connectable conductor cross-sections	screw-type terminals  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)
type of electrical connection type of connectable conductor cross-sections	screw-type terminals  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)  24 V without
type of electrical connection type of connectable conductor cross-sections	screw-type terminals  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)  24 V without
type of electrical connection type of connectable conductor cross-sections	screw-type terminals  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)  24 V without
type of electrical connection type of connectable conductor cross-sections	screw-type terminals  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)  24 V without  without

## General Product Approval



Confirmation











Type Test Certificates/Test Report

Confirmation

Transport Information

## Further information

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=3SE5312-0SE11

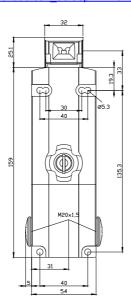
Cax online generator

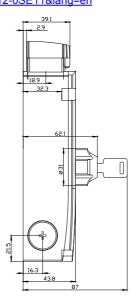
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5312-0SE11

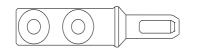
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

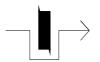
https://support.industry.siemens.com/cs/ww/en/ps/3SE5312-0SE11

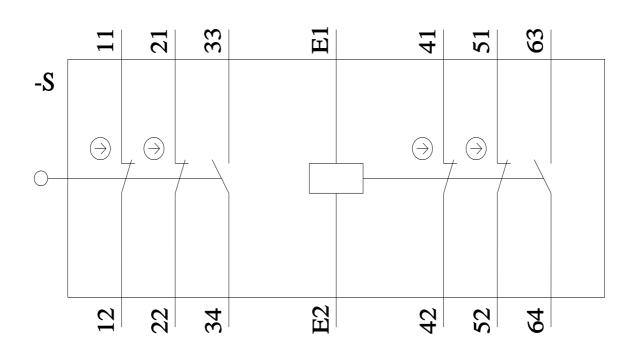
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5312-0SE11&lang=en

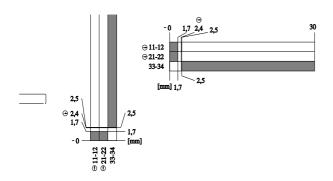












last modified: 1/26/2022 🖸