# **SIEMENS**

3SE5242-0HK21 **Data sheet** 



position switch plastic enclosure 50 mm, device connection 2 x (M20 x 1.5) 1 NO/1 NC quick action contacts, twist lever with plastic roller 19 mm

product brand name product designation product type designation manufacturer's article number

- of the supplied actuator head for position switches
- of the supplied operating lever

suitability for use safety switch

SIRIUS

Mechanical position switches

3SE5

3SE5000-0AK00

Yes

		l 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	
<ul> <li>according to IEC 60068-2-27</li> </ul>	30g / 11 m

vibration resistance

• according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 100 000 230 V 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 active principle

repeat accuracy

**Substance Prohibitance (Date)** 

minimum actuating torque in directions of actuation length of the sensor

width of the sensor

3SE5000-0AA21

ms

0.35 mm/5g 15 000 000

10 000 000

6 000

10 A plastic

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

6 A

0.05 mm 07/01/2006 0.25 N·m 96.3 mm 50 mm

mechanical

#### **Ambient conditions**

## ambient temperature

• during operation • during storage

explosion protection category for dust

-25 ... +85 °C -40 ... +90 °C

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				
<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>	6 A			
<ul> <li>at 400 V rated value</li> </ul>	4 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			
<ul> <li>at 400 V rated value</li> </ul>	0.12 A			
Enclosure				
design of the housing	block, wide			
material of the enclosure	plastic			
coating of the enclosure	Other types			
design of the housing according to standard	No			
Drive Head				
design of the actuating element	Twist lever, metal lever, 21 mm long, straight, plastic roller 19 mm			
standard-compliant actuator head	EN 50047, design A			
shape of the switch head	roller			
design of the switching function	positive opening, integrated			
circuit principle	snap-action contacts			
number of switching contacts safety-related	1			
cable entry type	2x (M20 x 1.5)			
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)			
<ul> <li>at AWG cables stranded</li> </ul>	1x (20 16), 2x (20 18)			
design of the interface for safety-related communication	without			
Communication/ Protocol				
design of the interface	without			
Certificates/ approvals				

# **General Product Approval**





Confirmation







Functional
Safety/Safety of Declaration of Conformity
Machinery

**Test Certificates** 

other

Type Examination Certificate





Type Test Certificates/Test Report

Confirmation

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...) <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>

### Industry Mall (Online ordering system)

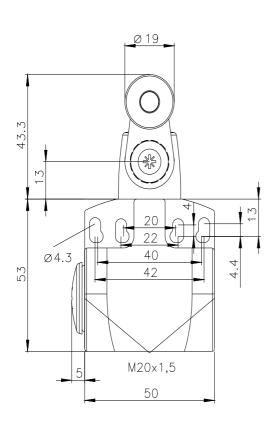
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5242-0HK21

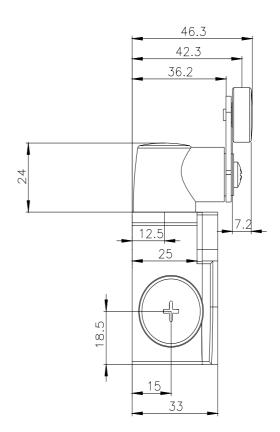
## Cax online generator

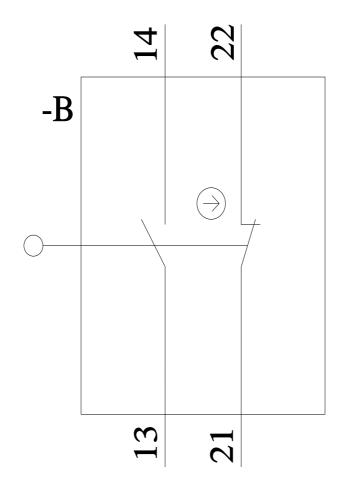
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5242-0HK21

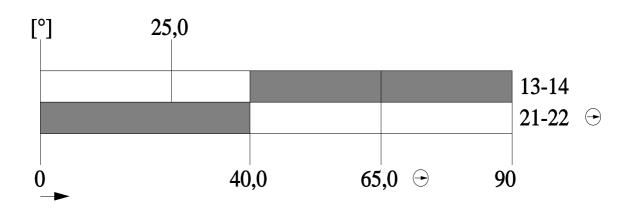
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5242-0HK21

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3SE5242-0HK21&lang=en









last modified: 3/23/2022 🖸