# **SIEMENS**

#### **Data sheet**

## 3SE5112-0LU22-1DA0



HINGED SWITCH FOR EX-ZONE METAL HOUSING,40MM, 1X(M20X1.5) WITH SOLID SHAFT D=10MM; ACTUATING ANGLE 10 DEG; SNAP-**ACTION CONTACTS 2NC/1NO** 

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

- of the supplied actuator head for position switches
- of the supplied switching contacts

suitability for use safety switch

SIRIUS

Mechanical safety hinge switches

3SE5

3SE5000-0AU22

3SE5000-0LA00

Yes

General		

Yes product function positive opening 400 V insulation voltage rated value class 3 degree of pollution 6 kV surge voltage resistance rated value IP66/IP67 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) at AC-15 at 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)** 

design of the switching contact

minimum actuating torque in directions of actuation

length of the sensor width of the sensor

30g / 11 ms 0.35 mm/5g 1 000 000 100 000

1 000 000

6 000

6 A

plastic / stainless steel

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

6 A mechanical 0.05 mm 07/01/2006 0.2 N·m 78 mm

40 mm

#### **Ambient conditions**

#### ambient temperature

· during operation during storage explosion protection category for dust -25 ... +85 °C -40 ... +90 °C

Zone 21, 94/9/EC II 2D

mechanical

operating frequency rated value	50 60 Hz			
number of NC contacts for auxiliary contacts	2			
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 125 V rated value</li> </ul>	6 A			
<ul> <li>at 230 V rated value</li> </ul>	1.5 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 230 V rated value</li> </ul>	0.27 A			
Enclosure				
design of the housing	block, narrow			
material of the enclosure	metal			
coating of the enclosure	cathodic dip coating			
design of the housing according to standard	Yes			
Drive Head				
design of the actuating element	Rotary axis, hinge switch, actuating angle 10°, solid shaft D = 10 mm			
design of the switching function	positive opening			
circuit principle	snap-action contacts			
number of switching contacts safety-related	2			
cable entry type	1x (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)			
<ul> <li>at AWG cables solid</li> </ul>	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				

#### Certificates/ approvals

### **General Product Approval**





Confirmation







Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

other

Type Examination Certificate





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

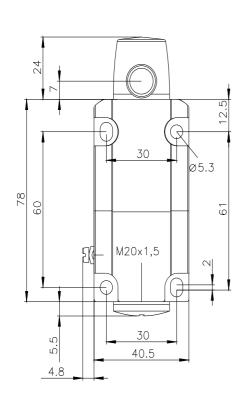
Industry Mall (Online ordering system)

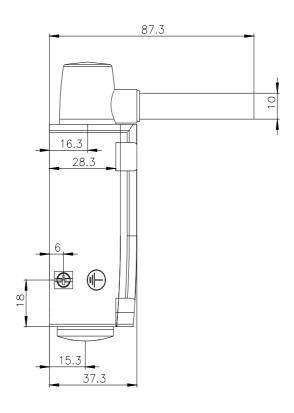
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0LU22-1DA0

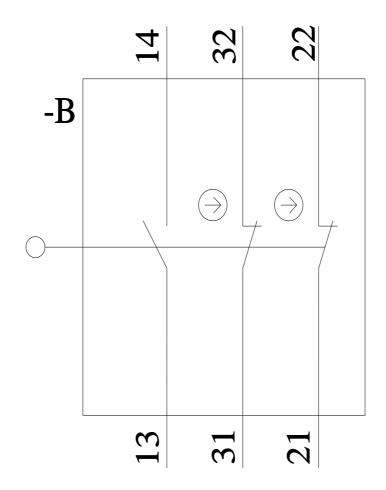
Cax online generator

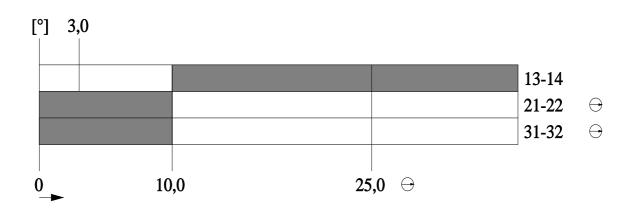
https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0LU22-1DA0

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=3SE5112-0LU22-1DA0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5112-0LU22-1DA0&lang=en</a>









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