## SIEMENS

## Data sheet

## 3SE5212-0LU21



Hinge switch Metal enclosure, 31 mm, EN 50047 Device connection 1 x (M20 x 1.5) Snap-action contacts 2 NC/1 NO integrated, with hollow shaft Diameter = 8 mm Actuating angle  $10^{\circ}$ 

product brand name	SIRIUS	
product designation	Mechanical safety hinge switches	
product type designation	3SE5	
manufacturer's article number		
<ul> <li>of the supplied actuator head for position switches</li> </ul>	<u>3SE5000-0AU21</u>	
<ul> <li>of the supplied switching contacts</li> </ul>	<u>3SE5000-0LA00</u>	
suitability for use safety switch	Yes	
General technical 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 ms	
vibration resistance		
according to IEC 60068-2-6	0.35 mm/5g	
mechanical service life (operating cycles) typical	1 000 000	
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000	
thermal current	10 A	
material of the enclosure of the switch head	metal	
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	
active principle	mechanical	
repeat accuracy	0.05 mm	
Substance Prohibitance (Date)	07/01/2006	
minimum actuating torque in directions of actuation	0.2 N·m	
length of the sensor	92 mm	
width of the sensor	31 mm	
Ambient conditions		
ambient temperature		
during operation	-25 +85 °C	
during storage	-40 +90 °C	
explosion protection category for dust	none	
design of the switching contact	mechanical	
operating frequency rated value	50 60 Hz	
number of NC contacts for auxiliary contacts	2	

• at 24 V rated value     • at 24 V rated value     • at 240 V rated value     • at 240 V rated value     • at 400 V rated value     • at 400 V rated value     • at 400 V rated value     • at 24 V rated value     • at 24 V rated value     • at 125 V rated value		6 A 6 A 6 A 4 A
<ul> <li>at 120 V rated value</li> <li>at 240 V rated value</li> <li>at 400 V rated value</li> </ul> operational current at DC-13 <ul> <li>at 24 V rated value</li> </ul>		6 A 6 A
at 240 V rated value     at 400 V rated value  operational current at DC-13     at 24 V rated value		6 A
at 400 V rated value  operational current at DC-13      at 24 V rated value		
<ul><li>operational current at DC-13</li><li>at 24 V rated value</li></ul>		4 A
• at 24 V rated value		
• at 125 V rated value		3 A
		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
nclosure		
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
rive Head		
design of the actuating element		Rotary axis, actuating angle 10°, hollow shaft Di = 8 mm, De = 12 mm
design of the switching function		positive opening
		snap-action contacts
circuit principle		
number of switching contacts safety-related		2
cable entry type		1x (M20 x 1.5)
stallation/ mounting/ dimensions		
mounting position		any
fastening method		screw fixing
onnections/ 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>for AWG cables solid</li> </ul>		1x (20 16), 2x (20 18)
<ul> <li>for AWG cables stranded</li> </ul>		1x (20 16), 2x (20 18)
design of the interface for safety-related communica	ation	without
ommunication/ Protocol		
design of the interface		without
ertificates/ approvals		
General Product Approval	Confirmation	on Type Examination Ce
Declaration of Conformity	Test Certificate	tes other
	<u>Type Test Cert</u> ates/Test Rep	ertific- Confirmation eport
urther information		
Siemens has decided to exit the Russian market		
https://press.siemens.com/global/en/pressrelease/si Siemens is working on the renewal of the curren Please contact your local Siemens office on the stat EAC relevant market (other than the sanctioned EAI	t EAC certifica	a <b>tes.</b> f the EAC certification if you intend to import or offer to supply these products to a

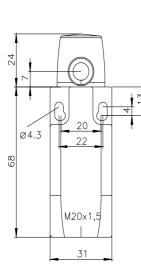
https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system)

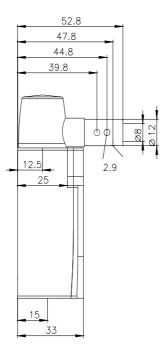
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5212-0LU21 Cax online generator

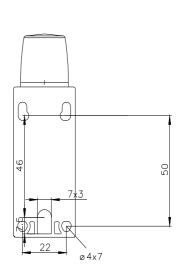
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5212-0LU21

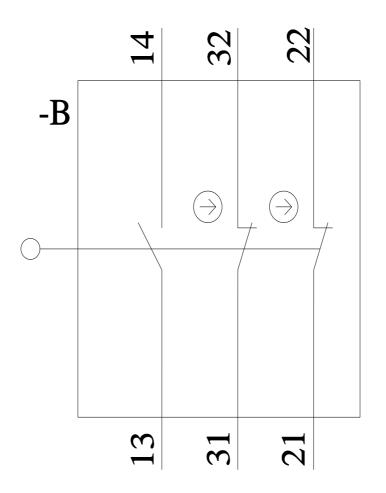
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5212-0LU21

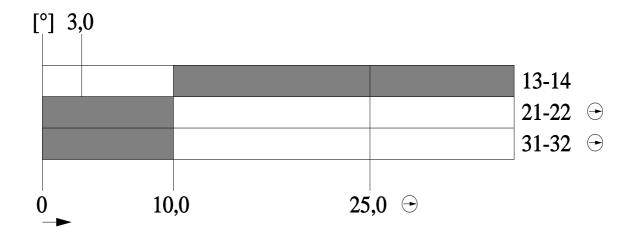
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5212-0LU21&lang=en











last modified:

3/23/2022 🖸