SIEMENS

Data sheet

3SE5212-0LU22



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 solid shaft Diameter = 10 mm Actuating angle 10°

product brand name	SIRIUS
product designation	Mechanical safety hinge switches
product type designation	3SE5
manufacturer's article number	
 of the supplied actuator head for position switches 	<u>3SE5000-0AU22</u>
of the supplied switching contacts	<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	
according to IEC 60068-2-27	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
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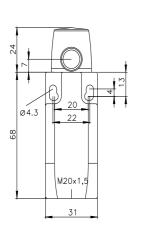
number of NO contacts for auxiliary contacts	
	1
operational current at AC-15	
 at 24 V rated value 	6 A
 at 120 V rated value 	6 A
 at 240 V rated value 	6 A
• at 400 V rated value	4 A
operational current at DC-13	
• at 24 V rated value	3 A
 at 125 V rated value 	0.55 A
• at 250 V rated value	0.27 A
• at 400 V rated value	0.12 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, 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	Solew hinting
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	4xx (0.5 4.5 mm ²) 0xx (0.5 0.75 mm ²)
• solid	1x (0.5 1.5 mm ²), 2x (0.5 0.75 mm ²)
• finely stranded with core end processing	1x (0.5 1.5 mm ²), 2x (0.5 0.75 mm ²)
 for AWG cables solid 	1x (20 16), 2x (20 18)
• for AWG cables stranded	1x (20 16), 2x (20 18)
design of the interface for safety-related communication	1x (20 16), 2x (20 18) without
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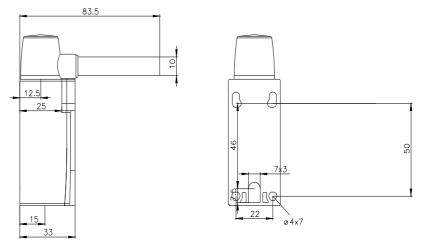
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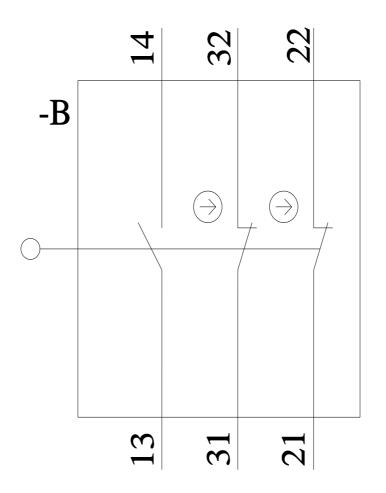
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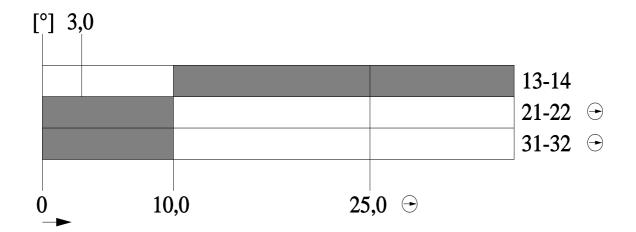
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5212-0LU22

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5212-0LU22&lang=en









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