

Basic switch for position switch 3SE51 Plastic enclosure 40 mm according to EN 50041 Device connection 1 x (M20 x 1.5) with 2 LEDs, yellow/green, 24 V DC 1 NO/2 NC slow-action contacts without actuator head



Product brand name	SIRIUS
Product designation	Mechanical safety switches
Product type designation	3SE5
Manufacturer's article number	
• of the supplied basic switch	3SE5132-1LA00
• of the supplied switching contacts	3SE5000-0LA00
• of the supplied empty enclosure with cover	3SE5132-0AA00
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	
• acc. to IEC 60068-2-27	30 g / 11 ms
Vibration resistance	

• acc. to IEC 60068-2-6	0.35 mm/5g
Mechanical service life (switching cycles)	
• typical	15 000 000
Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	10 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
Thermal current	10 A
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
Minimum actuating force in activation direction	20 N
Length of the sensor	85.7 mm
Width of the sensor	40 mm
Design of the switching contact	mechanical
Number of NC contacts for auxiliary contacts	2
Number of NO contacts for auxiliary contacts	1
Number of CO contacts for auxiliary contacts	1
Operating current at DC-13	
• at 24 V rated value	3 A
Design of the interface for safety-related communication	without

Enclosure

Design of the housing	block, narrow
Material of the enclosure	plastic
Coating of the enclosure	Other types
Design of the housing acc. to standard	Yes

Drive Head

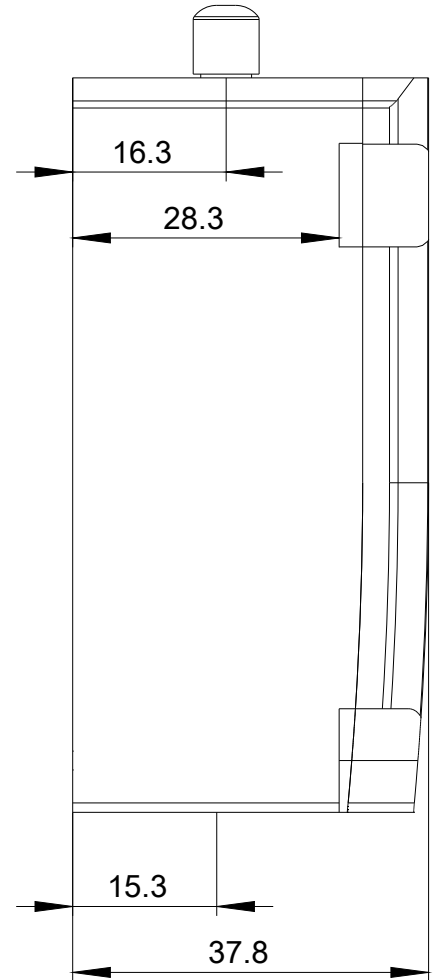
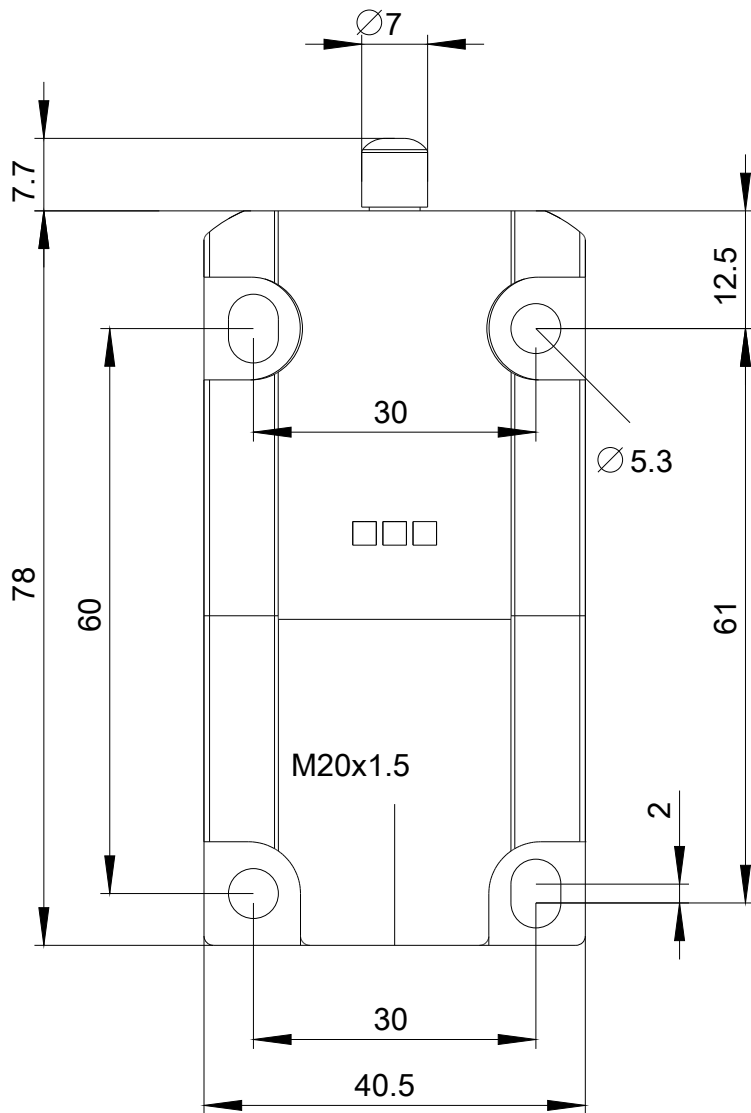
Design of the operating mechanism	Other, without, basic switch
Design of the switching function	Positive opening with appropriate positive opening actuator head
Circuit principle	snap-action contacts
Number of switching contacts safety-related	2

Connections/Terminals

Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
• 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)
• at AWG conductors solid	1x (20 ... 16), 2x (20 ... 18)
• at AWG conductors stranded	1x (20 ... 16), 2x (20 ... 18)

Cable entry type	1x (M20 x 1.5)	
Communication/ Protocol		
Design of the interface	without	
Ambient conditions		
Ambient temperature		
• during operation	-25 ... +60 °C	
• during storage	-40 ... +90 °C	
Explosion protection category for dust	none	
Supply voltage		
Type of voltage of the supply voltage		
• of the optional LED indicator	DC	
Supply voltage		
• of LED	24 V	
Installation/ mounting/ dimensions		
Mounting position	any	
Mounting type	screw fixing	
Certificates/approvals		
General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC	 CSA	 UL
	Type Examination Certificate	 EG-Konf.
other		

Further information
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5132-1LA00
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5132-1LA00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5132-1LA00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5132-1LA00&lang=en



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