SIEMENS

Data sheet 3SE5114-0BA00-1AC5



BASIC SWITCH FOR POSITION SWITCH 3SE51, METAL ENCLOSURE 40MM TO EN50041 1NO/1NC SLOW-ACTION CONTACTS W. M12 CONNECTOR, 5-POLE, FIXED PIN ASSIGNMENT: PIN1=21, PIN2 =22, PIN3=13, PIN4=14, PIN5=PE W/O ACTUATOR HEAD

Product designation	basic switch for standard position schwitches
Manufacturer's article number	
• of the supplied basic switch	3SE5114-0BA00-1AC5
• of the supplied switching contacts	3SE5000-0BA00

General technical data:	
Product function	
• positive opening	Yes
Insulation voltage	
• rated value	125 V
Surge voltage resistance rated value	1.5 kV
Protection class IP	IP66/IP67
Degree of pollution	class 3
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

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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	4 A
Equipment marking	
• acc. to DIN EN 61346-2	B
• acc. to DIN EN 81346-2	B
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	4 A; for a short-circuit current smaller than 400 A
Continuous current of the DIAZED fuse link gG	4 A
Active principle	mechanical
Repeat accuracy	0.05 mm
Minimum actuating force in activation direction	20 N
Operating current at AC-15	
• at 24 V rated value	4 A
• at 125 V rated value	4 A
Operating current at DC-13	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A

Enclosure:	
Design of the housing	block, narrow
Material of the enclosure	metal
Coating of the enclosure	cathodic immersion coating
Design of the housing acc. to standard	Yes

Drive Head:	
Shape of the switch head	rounded
Design of the switching function	Positive opening with appropriate positive opening actuator head

Connections/ Terminals:	
Type of electrical connection	M12 plug, fixed

Mechanical data:	
Cable entry type	M12 plug
Design of plug-in connection	M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14, Pin 5 = PU

Communication/ Protocol:	
Design of the interface	without

Ambient conditions:	
Ambient temperature	
• during operation	-25 ... +85 °C

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• during storage	-40 ... +90 °C

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	EAC	Baumusterprüfbescheinigung	EG-Konf.

Test Certificates	other
spezielle Prüfbescheinigungen	Bestätigungen

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

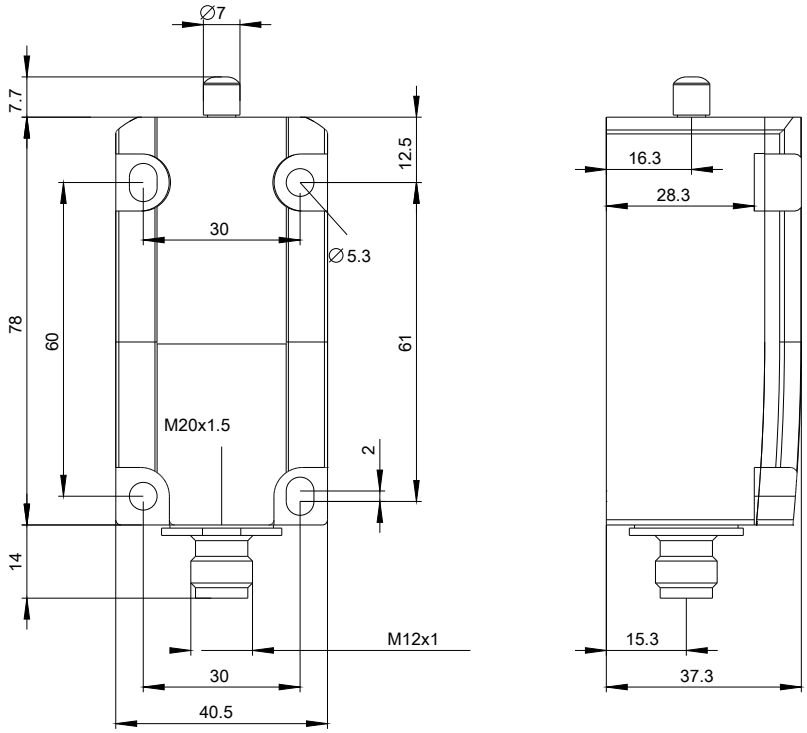
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE51140BA001AC5

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE51140BA001AC5

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE51140BA001AC5

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE51140BA001AC5&lang=en

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