



Basic switch for position switch 3SE51 Metal enclosure 40 mm according to EN 50041 1 NO/1 NC quick action contacts with M12 connector, 5-pole, fixed PIN assignment: PIN1=21, PIN2=22 PIN3=13, Pin4=14, PIN5=PE without actuator head

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Mechanical safety switches
<b>product type designation</b>	3SE5
<b>manufacturer's article number</b>	
• of the supplied switching contacts	<a href="#">3SE5000-0CA00</a>
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
insulation voltage rated value	125 V
<b>degree of pollution</b>	class 3
<b>surge voltage resistance rated value</b>	1.5 kV
<b>protection class IP</b>	IP66/IP67
<b>shock resistance</b>	
• according to IEC 60068-2-27	30g / 11 ms
vibration resistance according to IEC 60068-2-6	0.35 mm/5g
mechanical service life (switching cycles) typical	15 000 000
<b>electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b>	10 000 000
<b>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</b>	6 000
<b>thermal current</b>	4 A
<b>reference code according to IEC 81346-2</b>	B
<b>continuous current of the C characteristic MCB</b>	1 A; for a short-circuit current smaller than 400 A
<b>continuous current of the quick DIAZED fuse link</b>	4 A; for a short-circuit current smaller than 400 A
<b>continuous current of the DIAZED fuse link gG</b>	4 A
<b>active principle</b>	mechanical
<b>repeat accuracy</b>	0.05 mm
<b>Substance Prohibitance (Date)</b>	07/01/2006
<b>minimum actuating force in directions of actuation</b>	20 N
<b>length of the sensor</b>	99.7 mm
<b>width of the sensor</b>	40 mm
<b>design of the switching contact</b>	mechanical
<b>operating frequency rated value</b>	50 ... 60 Hz
<b>number of NC contacts for auxiliary contacts</b>	1
<b>number of NO contacts for auxiliary contacts</b>	1
<b>operational current at AC-15</b>	
• at 24 V rated value	4 A
• at 125 V rated value	4 A

<b>operational current at DC-13</b>	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A
design of the interface for safety-related communication	without
<b>Enclosure</b>	
<b>design of the housing</b>	block, narrow
<b>material of the enclosure</b>	metal
<b>coating of the enclosure</b>	cathodic dip coating
<b>design of the housing according to standard</b>	Yes
<b>Drive Head</b>	
<b>design of the actuating element</b>	Other, without, basic switch with plug
<b>design of the switching function</b>	Positive opening with appropriate positive opening actuator head
<b>circuit principle</b>	snap-action contacts
number of switching contacts safety-related	1
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	M12 plug, fixed
<b>cable entry type</b>	M12 plug
<b>design of plug-in connection</b>	M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14, Pin 5 = PU
<b>Communication/ Protocol</b>	
<b>design of the interface</b>	without
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
• during operation	-25 ... +85 °C
• during storage	-40 ... +90 °C
<b>explosion protection category for dust</b>	none
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	screw fixing
<b>Certificates/ approvals</b>	
<b>General Product Approval</b>	



[Confirmation](#)



<b>Functional Safety/Safety of Machinery</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>	<b>other</b>
--	----------------------------------	--------------------------	--------------

[Type Examination Certificate](#)



[Type Test Certificates/Test Report](#)

[Confirmation](#)

#### Further information

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=3SE5114-0CA00-1AC5>

Cax online generator

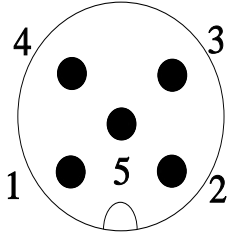
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0CA00-1AC5>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

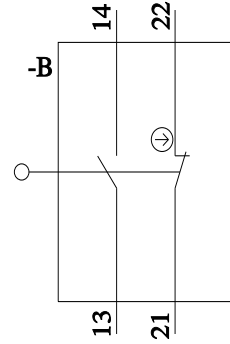
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-0CA00-1AC5>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5114-0CA00-1AC5&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0CA00-1AC5&lang=en)



1	<b>BN = Brown</b>	→	<b>21</b>
2	<b>WH = White</b>	→	<b>22</b>
3	<b>BU = Blue</b>	→	<b>13</b>
4	<b>BK = Black</b>	→	<b>14</b>
5	<b>GN/YE = Green/Yellow</b>	→	<b>⊕</b>



last modified:

3/23/2022 