



Position switch, with Roller plunger 3SE5114, 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

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Mechanical position switches
<b>product type designation</b>	3SE5
<b>manufacturer's article number</b>	
<ul style="list-style-type: none"> <li>• of the supplied basic switch</li> <li>• of the supplied actuator head for position switches</li> <li>• of the supplied switching contacts</li> </ul>	<a href="#">3SE5114-0CA00-1AC5</a> <a href="#">3SE5000-0AD02</a> <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>	
<ul style="list-style-type: none"> <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 (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>material of the enclosure of the switch head</b>	metal
<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>	130.5 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>	
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
<b>Drive Head</b>	
design of the actuating element	Roller plunger, high-grade steel roller
standard-compliant actuator head	EN 50041, design C
shape of the switch head	roller
design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	1
<b>Connections/ Terminals</b>	
type of electrical connection	M12 plug, fixed
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
<b>Communication/ Protocol</b>	
design of the interface	without
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +85 °C
• during storage	-40 ... +90 °C
explosion protection category for dust	none
<b>Installation/ mounting/ dimensions</b>	
mounting position	any
fastening method	screw fixing
<b>Certificates/ approvals</b>	
General Product Approval	



[Confirmation](#)



Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	other
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[Type Examination Certificate](#)



[Type Test Certificates/Test Report](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

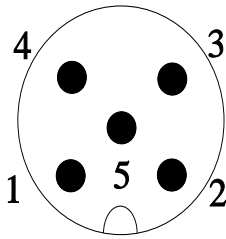
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5114-0CD02-1AC5>

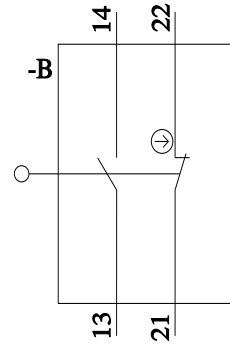
Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0CD02-1AC5>

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



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>



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