



Position switch, 3SE51 Metal enclosure 40 mm according to EN 50041, 1 NO/2 NC quick action contacts with M12 connector, 8-pole metal with adjustable-length Twist lever Pin assignment: Pin1=21, Pin2=22 Pin3=13 and LED green, Pin4=14 and LED yellow, Pin5=31, Pin6=32 Pin 7=ground LED, Pin 8=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 operating lever</li> <li>• of the supplied switching contacts</li> </ul>	<a href="#">3SE5114-1LA00-1AD4</a> <a href="#">3SE5000-0AH00</a> <a href="#">3SE5000-0AA50</a> <a href="#">3SE5000-0LA00</a>
suitability for use safety switch	No
<b>General technical data</b>	
product function positive opening	No
insulation voltage rated value	50 V
<b>degree of pollution</b>	class 3
<b>surge voltage resistance rated value</b>	0.8 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>	1.5 A
<b>material of the enclosure of the switch head</b>	plastic
<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>	1.5 A; for a short-circuit current smaller than 400 A
<b>continuous current of the DIAZED fuse link gG</b>	1.5 A
<b>active principle</b>	mechanical
<b>repeat accuracy</b>	0.05 mm
<b>Substance Prohibitance (Date)</b>	07/01/2006
<b>minimum actuating torque in directions of actuation</b>	0.25 N·m
<b>length of the sensor</b>	198.4 mm
<b>width of the sensor</b>	40 mm
<b>design of the switching contact</b>	mechanical
<b>number of NC contacts for auxiliary contacts</b>	2
<b>number of NO contacts for auxiliary contacts</b>	1

<b>operational current at DC-13</b>	
• at 24 V rated value	1.5 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>	Adjustable twist lever, adjustable-length metal lever, plastic roller 19 mm
<b>standard-compliant actuator head</b>	EN 50041, design A
<b>shape of the switch head</b>	roller
<b>circuit principle</b>	snap-action contacts
number of switching contacts safety-related	0
<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 connector, 8-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13/LED green, pin 4= 14/LED yellow, pin 5= 31, pin 6= 32, pin 7= ground LED, pin 8= PE
<b>Communication/ Protocol</b>	
<b>design of the interface</b>	without
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
• during operation	-25 ... +60 °C
• during storage	-40 ... +90 °C
<b>explosion protection category for dust</b>	none
<b>Supply voltage</b>	
type of voltage of the supply voltage of the optional LED display	DC
<b>supply voltage</b>	
• of LED	24 V
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	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=3SE5114-1LH50-1AD4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-1LH50-1AD4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-1LH50-1AD4>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3SE5114-1LH50-1AD4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SE5114-1LH50-1AD4&lang=en)

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