

Position switch, 3SE5114 Metal enclosure 40 mm with twist lever adjustable-length with Grid hole EN 50041, 1 NO/1 NC quick action contacts with M12 connector, 5-pole, fixed with 2 LEDs, yellow/green, 24 V DC Pin assignment: Pin1=21, Pin2=22 Pin 3=13 + LED green, Pin 4=14 and LED yellow, Pin 5=ground LED



<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 3SE5114-1CA00-0AF3</li> <li>• of the supplied actuator head for position switches <a href="#">3SE5000-0AH00</a></li> <li>• of the supplied operating lever <a href="#">3SE5000-0AA60</a></li> <li>• of the supplied switching contacts <a href="#">3SE5000-0CA00</a></li> </ul>
Suitability for use safety switch	Yes

### General technical data

<b>Product function</b>	Yes
<ul style="list-style-type: none"> <li>• positive opening</li> </ul>	
<b>Insulation voltage</b>	125 V
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	
<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>	

• acc. to IEC 60068-2-27	30 g / 11 ms
<b>Vibration resistance</b>	
• acc. to IEC 60068-2-6	0.35 mm/5g
<b>Mechanical service life (switching cycles)</b>	
• 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>	plastic
<b>Reference code acc. to DIN EN 81346-2</b>	B
<b>Reference code acc. to DIN EN 61346-2</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>Minimum actuating torque in activation direction</b>	0.25 N·m
<b>Length of the sensor</b>	206 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>	1
<b>Number of NO contacts for auxiliary contacts</b>	1
<b>Operating current at DC-13</b>	
• at 24 V rated value	3 A
<b>Design of the interface for safety-related communication</b>	without

#### Enclosure

<b>Design of the housing</b>	block, narrow
<b>Material of the enclosure</b>	metal
<b>Coating of the enclosure</b>	cathodic immersion coating
<b>Design of the housing acc. to standard</b>	Yes

#### Drive Head

<b>Design of the operating mechanism</b>	Adjustable twist lever, adjustable-length metal lever with latching, plastic roller 19 mm
<b>Standard-compliant actuator head</b>	EN 50041, design A
<b>Shape of the switch head</b>	roller
<b>Design of the switching function</b>	positive opening
<b>Circuit principle</b>	snap-action contacts
<b>Number of switching contacts safety-related</b>	1

Connections/ Terminals	
<b>Type of electrical connection</b>	M12 plug, fixed
<b>Type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• solid</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• at AWG conductors solid</li> </ul>	1x (20 ... 16), 2x (20 ... 18)
<ul style="list-style-type: none"> <li>• at AWG conductors stranded</li> </ul>	1x (20 ... 16), 2x (20 ... 18)
<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/LED green, Pin 4 = 14/LED yellow, Pin 5 = ground LED

Communication/ Protocol	
<b>Design of the interface</b>	without

Ambient conditions	
<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +90 °C
<b>Explosion protection category for dust</b>	none

Supply voltage	
<b>Type of voltage of the supply voltage</b>	
<ul style="list-style-type: none"> <li>• of the optional LED indicator</li> </ul>	DC
<b>Supply voltage</b>	
<ul style="list-style-type: none"> <li>• of LED</li> </ul>	24 V

Installation/ mounting/ dimensions	
<b>Mounting position</b>	any
<b>Mounting type</b>	screw fixing

Certificates/ approvals	
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General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
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[Type Examination Certificate](#)



Declaration of Conformity	Test Certificates	other
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[Miscellaneous](#)

[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=3SE5114-1CH60-1AF3>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-1CH60-1AF3>

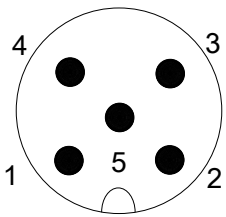
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-1CH60-1AF3>

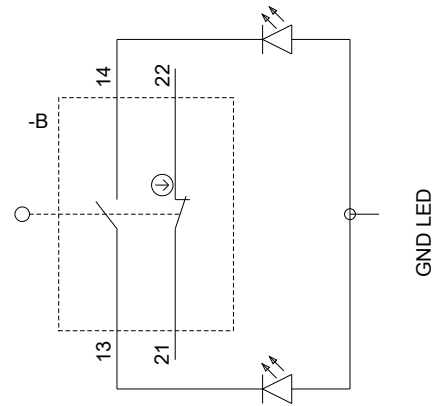
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

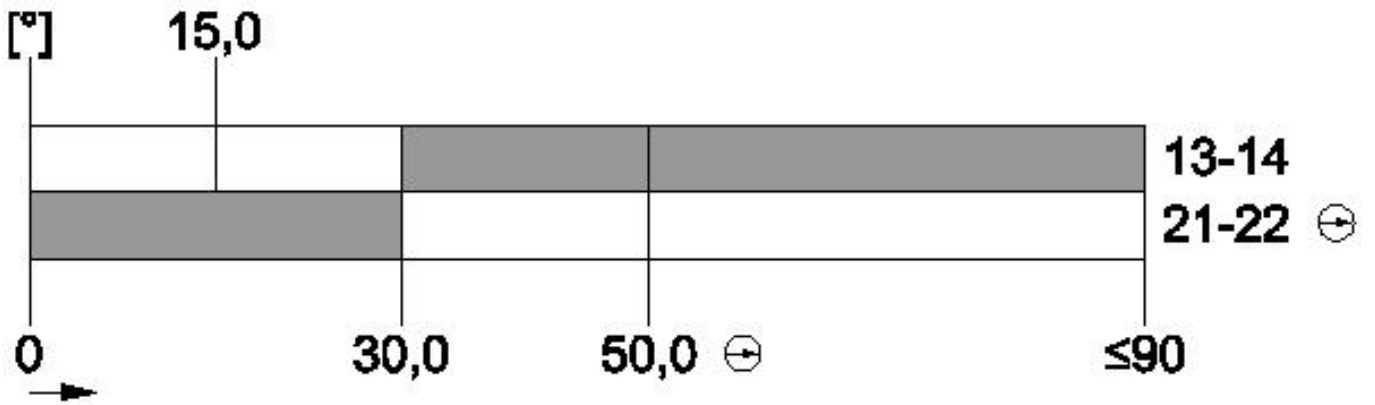
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5114-1CH60-1AF3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-1CH60-1AF3&lang=en)





1	BN = Brown	→	21
2	WH = White	→	22
3	BU = Blue	→	13+LED-Green
4	BK = Black	→	14+LED-Yellow
5	GY = Grey	→	GND LED





last modified:

08/05/2020