



Safety position switch with separate actuator, metal enclosure 40 mm, slow-action contact 2 NC, with M12 plug, plastic 5-pole, maximum 125 V, 4 A, 2 NC connected, 5 directions of approach. Functional at -40 °C shock and vibration test according to DIN EN 61373, Cat. 1B. The matching separate actuator 3SE5000-0AV../W. must be ordered separately.

product brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SE5
manufacturer's article number	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with horizontal mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy-duty actuator, 3SE5000-0AW11 plastic actuator, 3SE5000-0AW21 stainless steel actuator
<ul style="list-style-type: none"> <li>of the optional actuators</li> </ul>	
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
insulation voltage rated value	125 V
degree of pollution	class 3
surge voltage resistance rated value	1.5 kV
shock resistance	30g / 11 ms Category 1, Class B
<ul style="list-style-type: none"> <li>according to IEC 60068-2-27</li> <li>for railway applications according to EN 61373</li> </ul>	
vibration resistance according to IEC 60068-2-6	0.35 mm/5g
mechanical service life (operating cycles) typical	1 000 000
thermal current	4 A
material of the enclosure of the switch head	metal
reference code according to IEC 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; for a short-circuit current smaller than 400 A
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibition (Date)	07/01/2006
SVHC substance name	Lead - 7439-92-1
Weight	0.479 kg
minimum actuating force in directions of actuation	20 N
length of the sensor	124 mm
width of the sensor	40 mm
<b>Ambient conditions</b>	
ambient temperature	-40 ... +85 °C -40 ... +90 °C
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	
explosion protection category for dust	none
<b>Main circuit</b>	
design of the switching contact	mechanical

operating frequency rated value	50 ... 60 Hz
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	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

<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	without
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	2
cable entry type	M12 plug
design of plug-in connection	M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32, Pin 5 = PU

<b>Installation/ mounting/ dimensions</b>	
mounting position	any
fastening method	screw fixing

<b>Connections/ Terminals</b>	
type of electrical connection	M12 plug, fixed
design of the interface for safety-related communication	without

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

<b>Safety related data</b>	
proportion of dangerous failures with high demand rate according to SN 31920	20 %
<b>B10 value with high demand rate according to SN 31920</b>	1 000 000

<b>Approvals Certificates</b>	
General Product Approval	



[Confirmation](#)



Functional Safety	other	Environment
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[Environmental Con-  
firmations](#)

<b>Further information</b>
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Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3SE5114-0QV10-1AJ4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0QV10-1AJ4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-0QV10-1AJ4>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5114-0QV10-1AJ4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0QV10-1AJ4&lang=en)



