



Safety position switch with separate actuator Metal enclosure, 56 mm Device connection 3x (M20x 1.5) Slow-action contacts 1 NO/2 NC with 2 LEDs, 24 V DC yellow/green 5 directions of approaches The matching separate actuator 3SE5000-0AV0. 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	400 V
degree of pollution	class 3
surge voltage resistance rated value	0.8 kV
protection class IP	IP66/IP67
shock resistance	30g / 11 ms
<ul style="list-style-type: none"> <li>according to IEC 60068-2-27</li> </ul>	
mechanical service life (operating cycles) typical	1 000 000
thermal current	10 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	10 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	6 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	Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7
Weight	0.538 kg
minimum actuating force in directions of actuation	20 N
length of the sensor	110 mm
width of the sensor	56 mm
<b>Ambient conditions</b>	
ambient temperature	-25 ... +60 °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
design of the switching contact	mechanical
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	1

<b>operational current at DC-13</b>	
• at 24 V rated value	3 A
<b>Enclosure</b>	
<b>design of the housing</b>	block, wide
<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>	No
<b>Drive Head</b>	
<b>design of the actuating element</b>	without
<b>design of the switching function</b>	positive opening
<b>circuit principle</b>	slow-action contacts
number of switching contacts safety-related	2
<b>cable entry type</b>	3x (M20 x 1.5)
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	screw fixing
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	screw terminal
<b>type of connectable conductor cross-sections</b>	
• solid	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
• finely stranded with core end processing	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )
• for AWG cables solid	1x (20 ... 16), 2x (20 ... 18)
• for AWG cables stranded	1x (20 ... 16), 2x (20 ... 18)
<b>Supply voltage</b>	
type of voltage of the supply voltage of the optional LED display	DC
<b>supply voltage of LED</b>	
•	24 V
design of the interface for safety-related communication	without
<b>Communication/ Protocol</b>	
<b>design of the interface</b>	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>	
<b>General Product Approval</b>	



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EG-Konf.



Functional Safety

other

Environment



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[Environmental Con-  
firmations](#)

#### Further information

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=3SE5122-1QV10>

Cax online generator

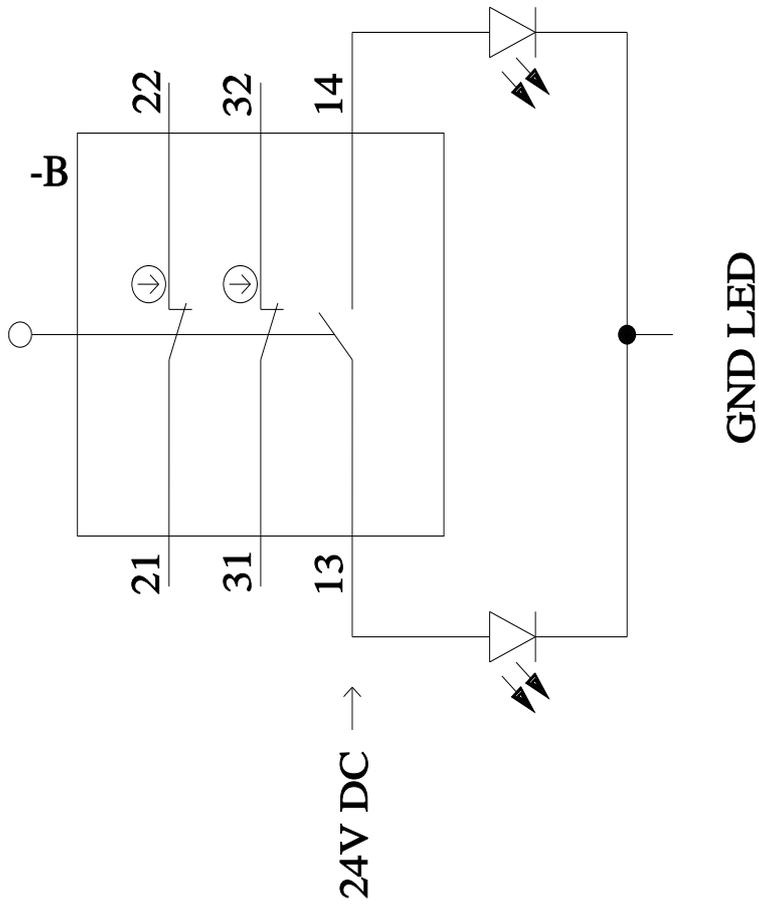
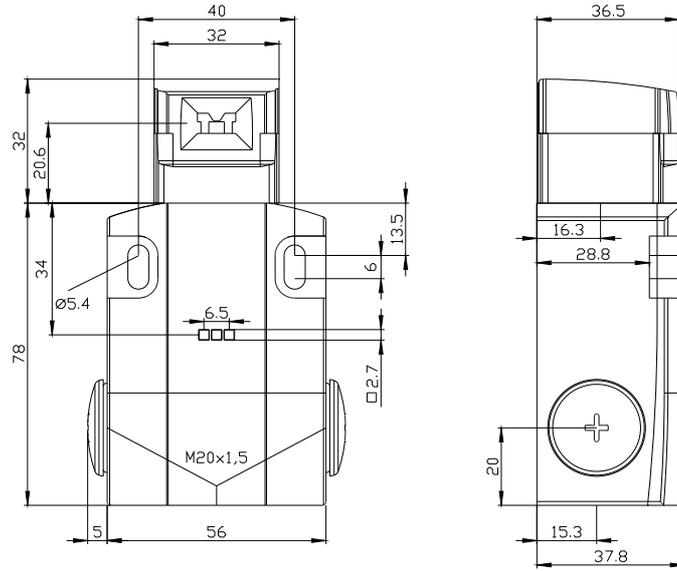
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5122-1QV10>

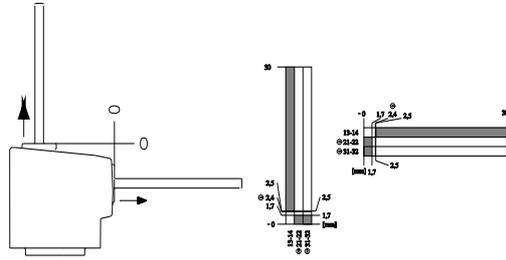
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5122-1QV10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5122-1QV10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5122-1QV10&lang=en)





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