



SAFETY POSITION SWITCHES WITH SOLENOID INTERLOCKING  
 LOCKING FORCE 1300N, 5 DIRECTIONS OF APPROACH  
 PLASTIC ENCLOSURE, M12 CONNECT. ASISAFE INTEGRATED  
 CH1=ACTUATOR 1NC, CH2=MAGNET 1NC SPRING-ACTUATED  
 LOCK, ESCAPE RELEASE ON FRONT, MAGNET VOLTAGE 24 V  
 DC/AC, MONITORING ACTUATOR 2NC/1NO, MONITORING  
 MAGNET 2NC/1NO, THE MATCHING SEPARATE ACTUATOR  
 3SE5000-0AV0. IS TO BE ORDERED SEPARATELY

<b>Product brand name</b>	SIRIUS
<b>Product designation</b>	Mechanical safety switches
<b>Design of the product</b>	with separate actuator and with tumbler
<b>Product type designation</b>	3SF13
<b>Manufacturer's article number</b>	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with transverse mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy duty actuator
<ul style="list-style-type: none"> <li>of the optional actuators</li> </ul>	

General technical data	
<b>Product function</b>	Yes
<ul style="list-style-type: none"> <li>positive opening</li> </ul>	
<b>Insulation voltage</b>	30 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>	IP65/IP67
<b>Shock resistance</b>	30g / 11 ms
<ul style="list-style-type: none"> <li>acc. to IEC 60068-2-27</li> </ul>	30 g / 11 ms

<b>Vibration resistance</b>	0.35 mm / 5g
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> </ul>	0.35 mm/5g
<b>Mechanical service life (switching cycles)</b>	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	1 000 000
<b>Material of the enclosure of the switch head</b>	plastic
<b>Equipment marking</b>	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	B
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>	B
<b>Locking force</b>	1 300 N
<ul style="list-style-type: none"> <li>• acc. to DIN EN ISO 14119</li> </ul>	1 000 N
<b>Repeat accuracy</b>	0.1 mm
<b>Minimum actuating force in activation direction</b>	30 N

#### Enclosure

<b>Design of the housing</b>	special design
<b>Material of the enclosure</b>	plastic
<b>Design of the housing acc. to standard</b>	No

#### Drive Head

<b>Design of the operating mechanism</b>	5 directions of approach
<b>Design of the switching function</b>	positive opening
<b>Number of actuation directions</b>	5

#### Connections/Terminals

<b>Type of electrical connection</b>	M12 plug, fixed
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#### Mechanical data

<b>Design of plug-in connection</b>	M12 plug, 4-pole: Pin 1 = ASI+ , Pin 2 = not assigned, Pin 3= ASI- , Pin 4 = not assigned
<b>Locking mechanism design</b>	spring-actuated lock (closed-circuit principle) escape release from the front

#### Communication/ Protocol

<b>Design of the interface</b>	M12 plug, fixed
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#### 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 ... +80 °C

#### Supply voltage

<b>Supply voltage of magnet coil</b>	24 V
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#### Installation/ mounting/ dimensions

<b>Mounting position</b>	any
<b>Mounting type</b>	screw fixing

#### Certificates/approvals

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



[Special Test Certificate](#)

**other**

[Confirmation](#)

[Miscellaneous](#)

**Further information**

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SF1324-1SF21-1BA1>

**Cax online generator**

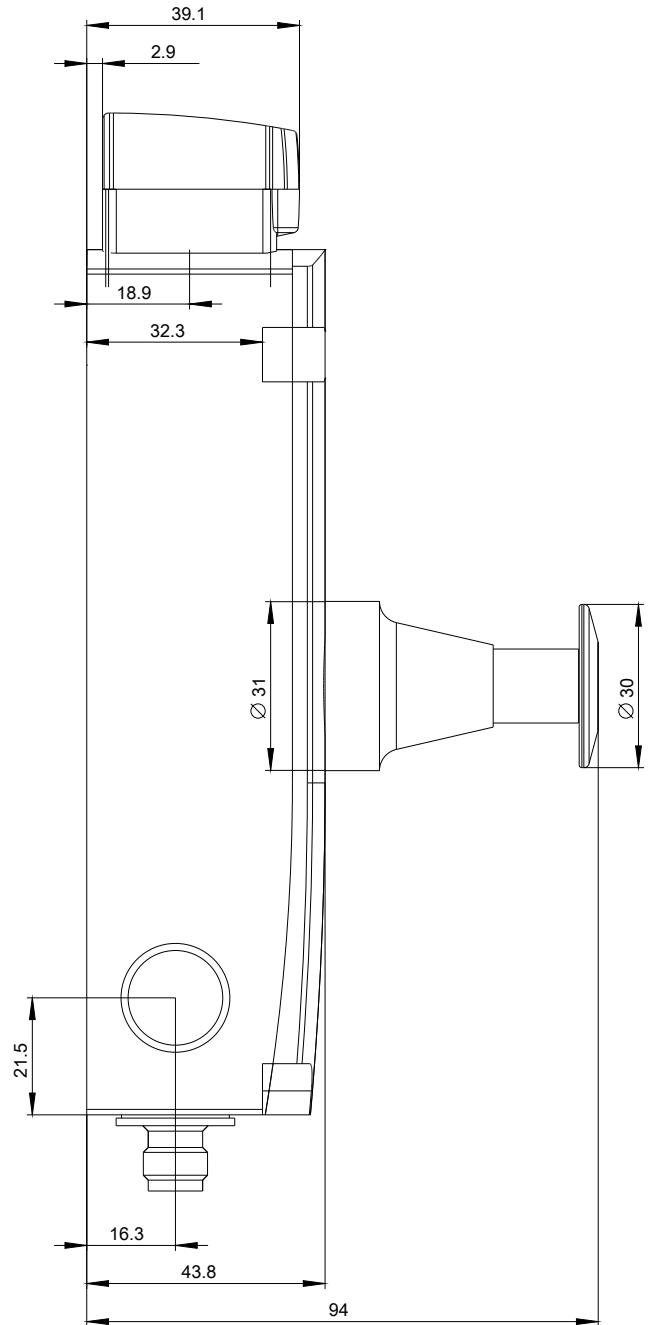
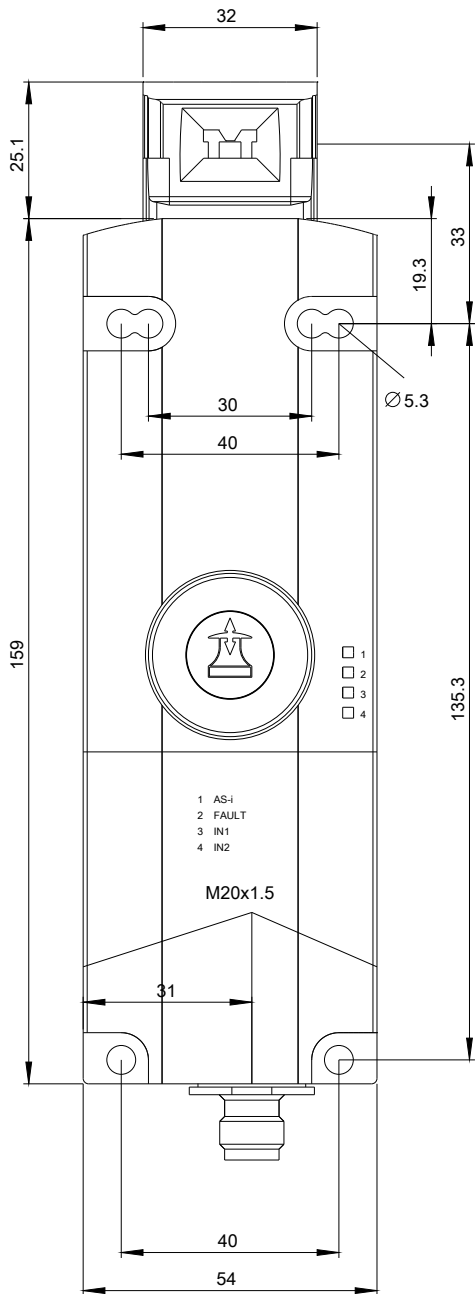
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1324-1SF21-1BA1>

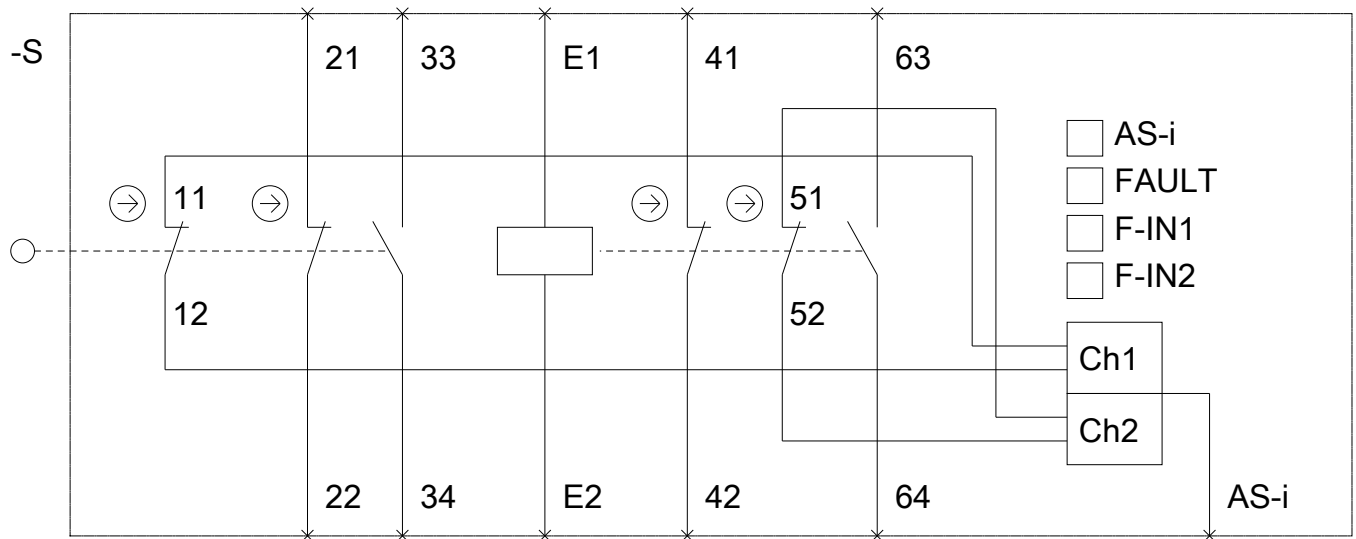
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

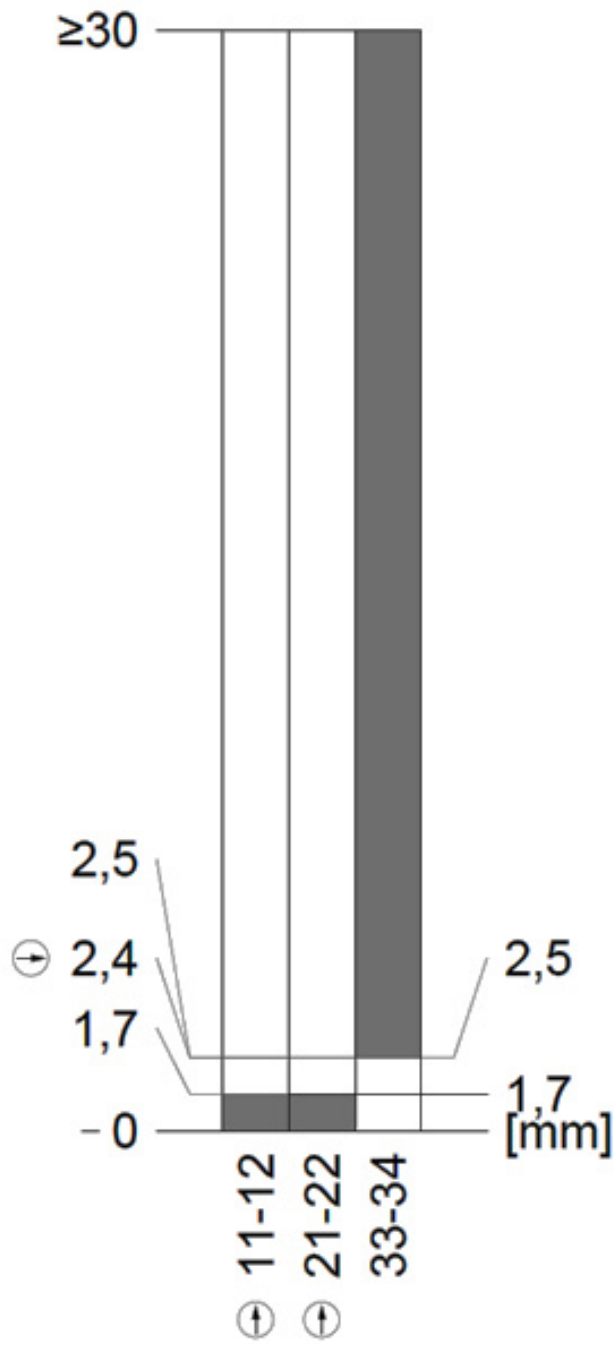
<https://support.industry.siemens.com/cs/ww/en/ps/3SF1324-1SF21-1BA1>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SF1324-1SF21-1BA1&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1324-1SF21-1BA1&lang=en)







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