



safety position switch with tumbler, locking force 1300 N, 5 directions of approaches, plastic enclosure, M12 plug, ASIsafe integrated, channel 1= actuator 1 NC, channel 2= actuator 1 NC, solenoid-locked, magnet voltage 24 V AC/DC; no additional 24 V supply required. monitoring actuator 2 NC/1 NO monitoring magnet 2 NC/1 NO the matching separate actuator 3SE5000-0AV0.-/0AW5. must be ordered separately.

product brand name	SIRIUS
product designation	Mechanical safety switches
design of the product	with separate actuator and with tumbler
product type designation	3SF13
manufacturer's article number of the optional actuators	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
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
locking force	1 300 N
• according to EN ISO 14119	1 000 N
insulation voltage rated value	30 V
degree of pollution	class 3
surge voltage resistance rated value	0.8 kV
shock resistance	30g / 11 ms
• according to IEC 60068-2-27	30g / 11 ms
vibration resistance	0.35 mm / 5g
• according to IEC 60068-2-6	0.35 mm/5g
mechanical service life (operating cycles) typical	1 000 000
material of the enclosure of the switch head	plastic
reference code according to IEC 81346-2	B
repeat accuracy	0.1 mm
Substance Prohibitance (Date)	03/01/2017
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7 Diboron trioxide - 1303-86-2
Weight	0.525 kg
minimum actuating force in directions of actuation	30 N
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C
<b>Enclosure</b>	
design of the housing	special design
material of the enclosure	plastic
design of the housing according to standard	No
locking mechanism design	magnetic field lock (open-circuit principle)
<b>Drive Head</b>	

design of the actuating element	5 directions of approach
design of the switching function	positive opening
number of directions of actuation	5
design of plug-in connection	M12 plug, 4-pole: Pin 1 = ASI+ , Pin 2 = not assigned, Pin 3= ASI-, Pin 4 = not assigned

#### Installation/ mounting/ dimensions

mounting position	any
fastening method	screw fixing

#### Connections/ Terminals

type of electrical connection	M12 plug, fixed
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#### Supply voltage

supply voltage of magnet coil	24 V
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#### Communication/ Protocol

design of the interface	M12 plug, fixed
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#### Safety related data

proportion of dangerous failures with high demand rate according to SN 31920	50 %
B10 value with high demand rate according to SN 31920	1 000 000

#### Approvals Certificates

General Product Approval	Test Certificates	other
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[Type Test Certificates/Test Report](#)



other	Dangerous goods	Environment	Industrial Communication
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[Confirmation](#)

[Miscellaneous](#)

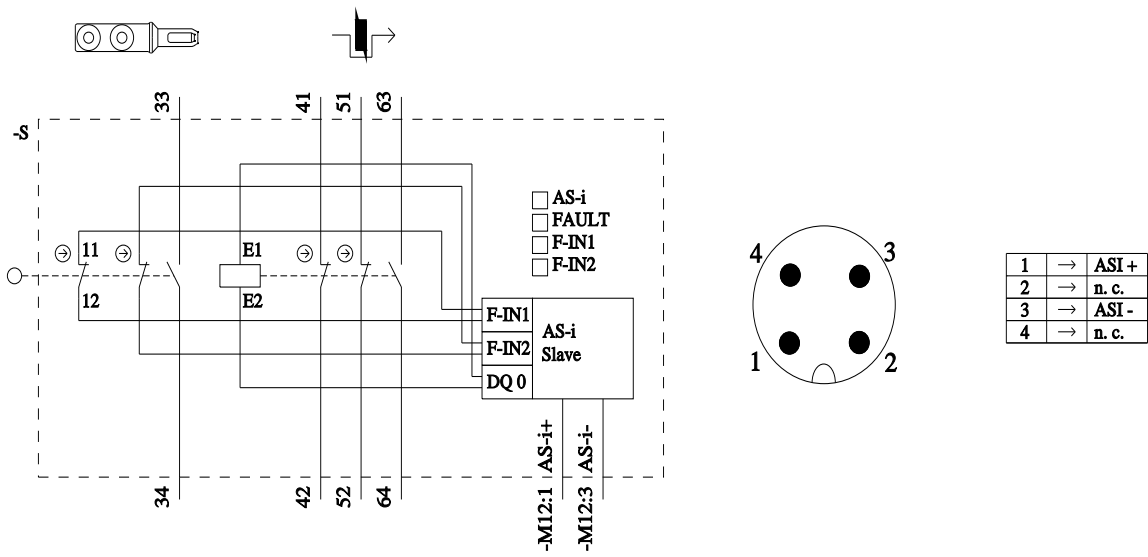
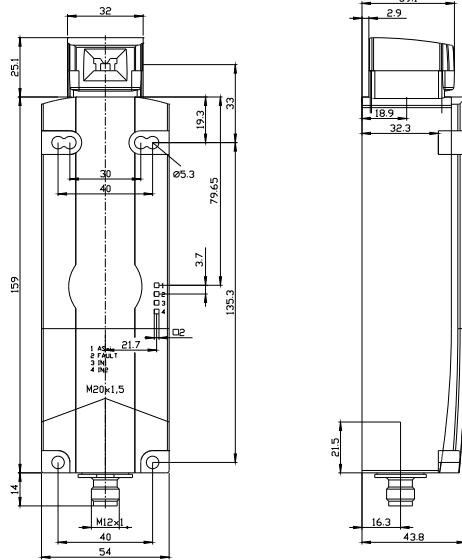
[Transport Information](#)

[Environmental Confirmations](#)



#### Further information

- Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- 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=3SF1324-1SB21-1BA3>
- Cax online generator  
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1324-1SB21-1BA3>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3SF1324-1SB21-1BA3>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SF1324-1SB21-1BA3&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1324-1SB21-1BA3&lang=en)



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