



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=magnet 1 NC, spring-locked, auxiliary release on front with lock. 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

General technical data	
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	30 g / 11 ms
vibration resistance	0.35 mm / 5 g
• according to IEC 60068-2-6	0.35 mm/5 g
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 (day/month/year)	03/01/2017
SVHC substance name	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1 Diboron trioxide CAS-No. 1303-86-2 Imidazolidine-2-thione (2-imidazoline-2-thiol) CAS-No. 96-45-7
Net Weight	0.832 g
minimum actuating force in directions of actuation	30 N

Ambient conditions	
ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C
Enclosure	
design of the housing	special design
material of the enclosure	plastic
design of the housing according to standard	No

locking mechanism design	spring-actuated lock (closed-circuit principle) with auxiliary release and lock		
Drive Head			
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		
Supply voltage			
supply voltage of magnet coil	24 V		
Communication/ Protocol			
design of the interface	M12 plug, fixed		
Safety related data			
proportion of dangerous failures with high demand rate according to SN 31920	20 %		
B10 value with high demand rate according to SN 31920	1 000 000		
Approvals Certificates			
General Product Approval		Test Certificates	other



[Type Test Certificates/Test Report](#)

[Miscellaneous](#)

other	Dangerous goods	Environment	Industrial Communication
Confirmation		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=3SF1324-1SE21-1BA1 Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1324-1SE21-1BA1 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SF1324-1SE21-1BA1 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1324-1SE21-1BA1&lang=en

