



safety position switch with tumbler, locking force 1300 N, 5 directions of approaches, plastic enclosure, M12 plug, ASIsafe integrated, high degree of protection IP69, IEC 60529, channel 1=actuator 2 NC according to principle of 2v2 evaluation channel 2=magnet 1 NC, spring-locked, escape release at the rear and auxiliary release on front, 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.

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
General technical data	
product function positive opening	Yes
insulation voltage rated value	30 V
degree of pollution	class 3
surge voltage resistance rated value	0.8 kV
protection class IP	IP65, IP67, IP69
shock resistance	30g / 11 ms
• according to IEC 60068-2-27	30g / 11 ms
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 Diboron trioxide - 1303-86-2
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 escape release from the back and auxiliary release from the front
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

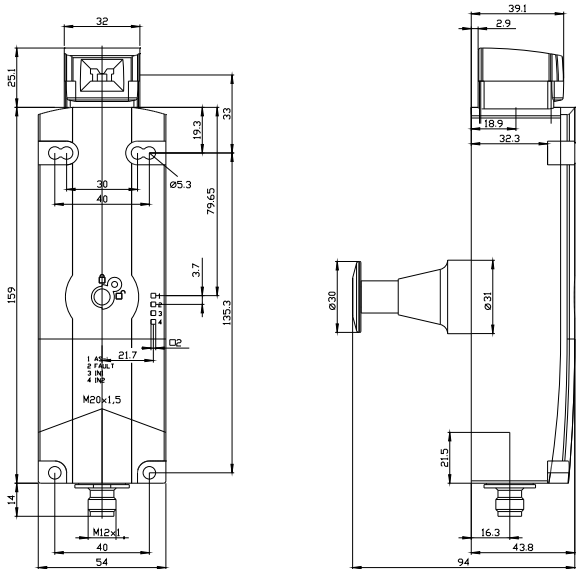
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	M12 plug, fixed
Supply voltage	
supply voltage of magnet coil	24 V
Communication/ Protocol	
design of the interface	M12 plug, fixed
Safety related data	
proportion 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	other

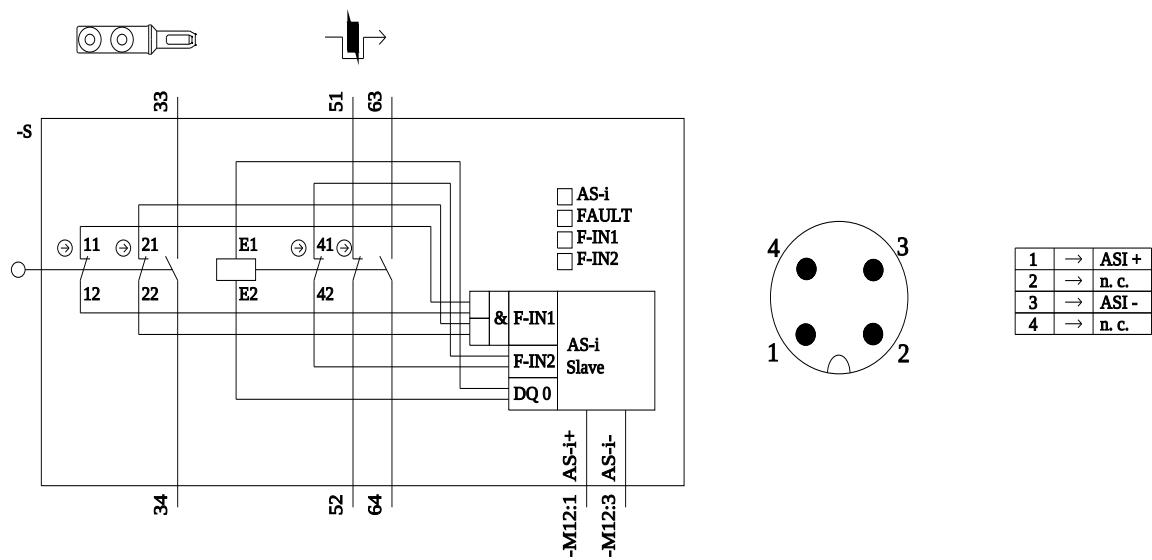


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other	Dangerous Good	Environment	Industrial Communication
Miscellaneous	Transport Information	Environmental Con- firmations	

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=3SF1324-1SG21-1BK4 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1324-1SG21-1BK4 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SF1324-1SG21-1BK4 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1324-1SG21-1BK4&lang=en





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