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Data sheet 3SF1324-1SD21-1BA1



Safety position switch with tumbler Locking force 1300 N 5 directions of approaches Plastic enclosure, M12 connector ASIsafe integrated Channel 1=actuator 1 NC Channel 2=magnet 1 NC spring-locked Auxiliary release on front Magnet voltage 24 V DC/AC Monitoring actuator 2 NC/1 NO Monitoring magnet 2 NC/1 NO The matching separate Actuator 3SE5000-0AV0 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
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	IP66/IP67
shock resistance	30g / 11 ms
● acc. to IEC 60068-2-27	30g / 11 ms
vibration resistance	0.35 mm / 5g
● acc. to IEC 60068-2-6	0.35 mm/5g
mechanical service life (switching cycles) typical	1 000 000
material of the enclosure of the switch head	plastic
reference code acc. to IEC 81346-2	B
locking force	1 300 N
● acc. to DIN EN ISO 14119	1 000 N
repeat accuracy	0.1 mm
minimum actuating force in directions of actuation	30 N
Enclosure	
design of the housing	special design
material of the enclosure	plastic
design of the housing acc. to standard	No
Drive Head	
design of the actuating element	5 directions of approach
design of the switching function	positive opening
number of directions of actuation	5
Connections/ Terminals	
type of electrical connection	M12 plug, fixed
Safety related data	

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B10 value with high demand rate acc. to SN 31920	1 000 000
proportion of dangerous failures with high demand rate acc. to SN 31920	20 %
design of plug-in connection	M12 plug, 4-pole: Pin 1 = ASI+ , Pin 2 = not assigned, Pin 3= ASI-, Pin 4 = not assigned
locking mechanism design	spring-actuated lock (closed-circuit principle) with auxiliary release
Communication/ Protocol	
design of the interface	M12 plug, fixed
AS-Interface slave profile	7.B.F
ID1 code	F (default); 0...F
Supply voltage	
supply voltage of magnet coil	24 V
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing

Certificates/ approvals

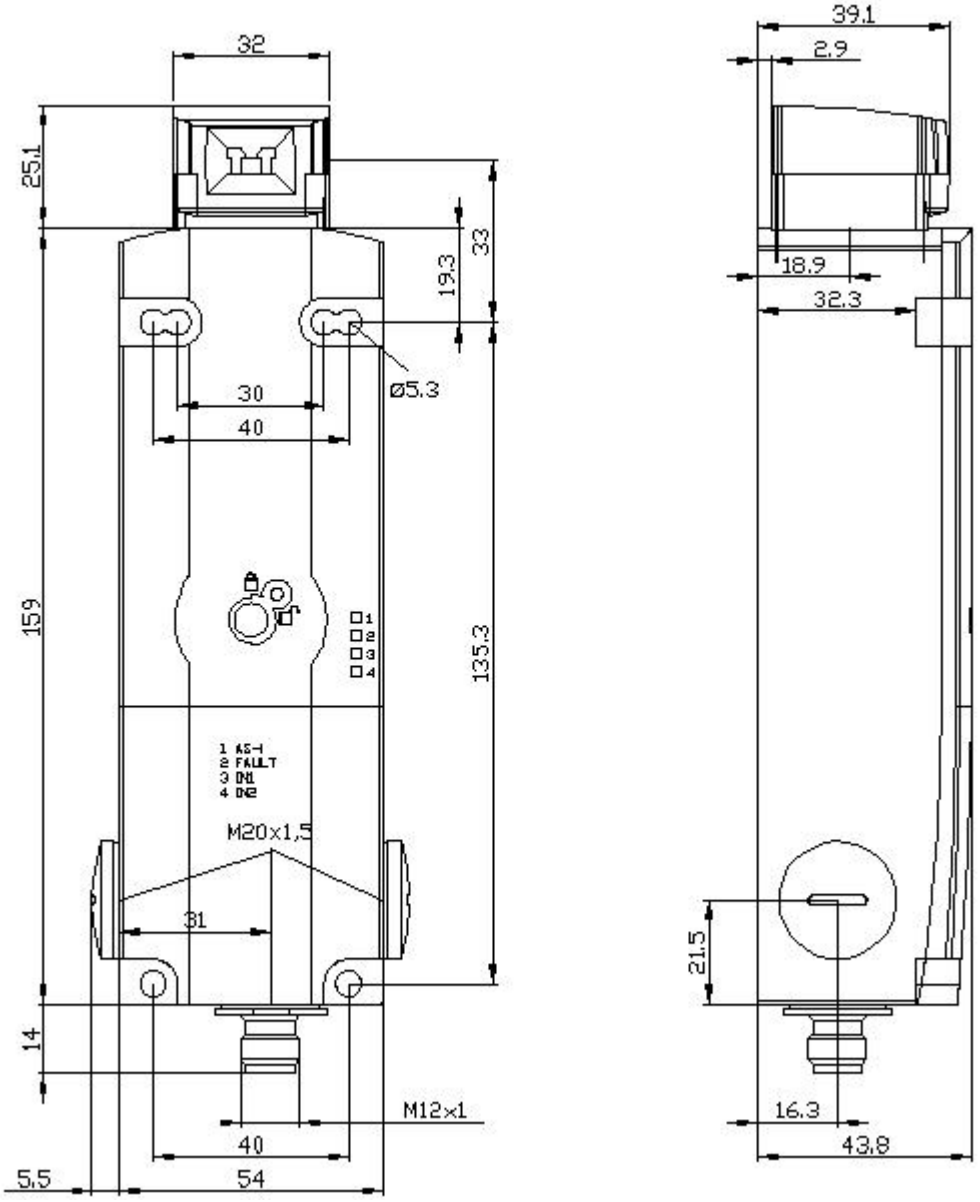
General Product Approval			Functional Safety/Safety of Machinery	Declaration of Conformity	
CSA	UL	EAC	Type Examination Certificate	Miscellaneous	CE EG-Konf.

Test Certificates	other	
Type Test Certificates/Test Report	Confirmation	Miscellaneous

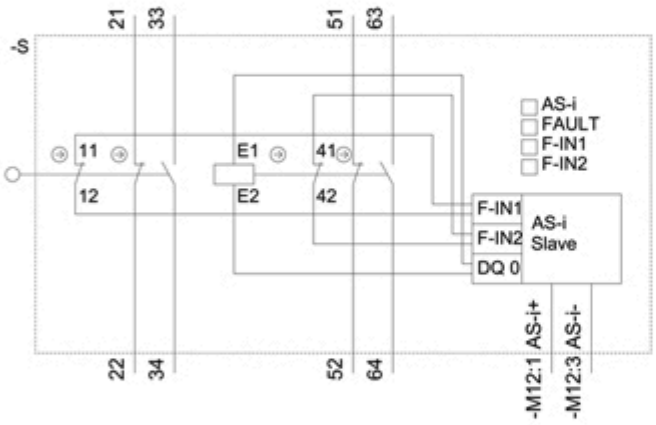
Further information

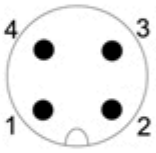
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SF1324-1SD21-1BA1
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
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