



SAFETY POSITION SWITCH WITH SOLENOID INTERLOCKING
LOCKING FORCE 1300N, 5 DIRECTIONS OF APPROACH
PLASTIC ENCLOSURE, M12 CONNECT. ASISAFE INTEGRATED
CH1=ACTUATOR 2NC, ACC.TO 2-OUT-OF-2 EVALUATION,
CH2=MAGNET 1NC SPRING-ACTUATED LOCK, ESCAPE
RELEASE ON REAR AND AUXIL. 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

Product designation	position switch with tumbler
Design of the product	with separate actuator and with tumbler
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
Insulation voltage	
rated value	30 V
Degree of pollution	class 3
Surge voltage resistance rated value	0.8 kV
Protection class IP	IP65/IP67
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
Equipment marking	
• acc. to DIN EN 61346-2	B
• acc. to DIN EN 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 activation direction	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 operating mechanism	5 directions of approach
Design of the switching function	positive opening
Number of actuation directions	5

Connections/Terminals

Type of electrical connection	M12 plug, fixed
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Mechanical data

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 escape release from the back and auxiliary release from the front

Communication/ Protocol

Design of the interface	M12 plug, fixed
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Ambient conditions

Ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C

Supply voltage

Supply voltage of magnet coil	24 V
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Installation/ mounting/ dimensions

Mounting position	any
Mounting type	screw fixing

Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity	other
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Baumusterprüfbescheinigung



Bestätigungen

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=3SF1324-1SG21-1BA4>

Cax online generator

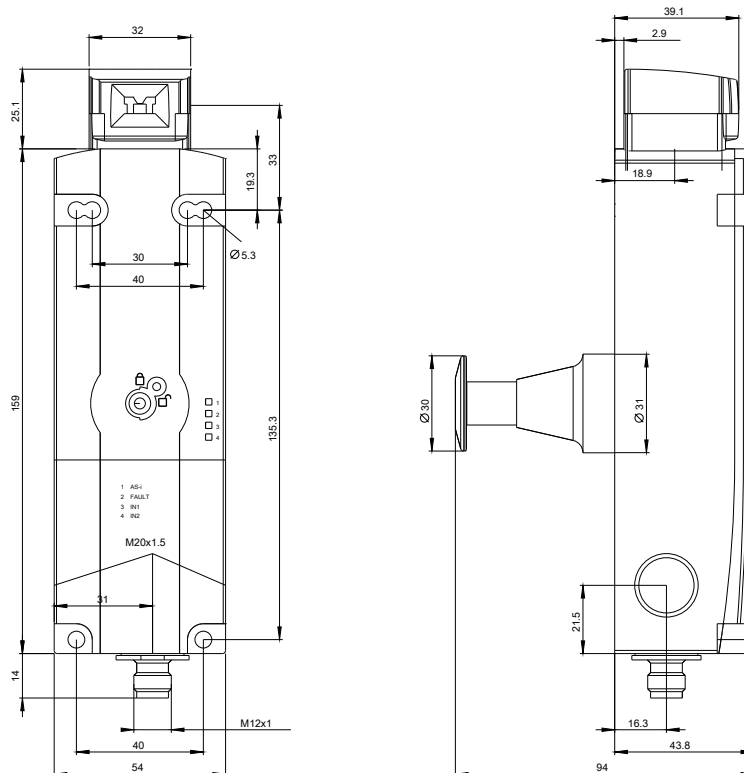
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1324-1SG21-1BA4>

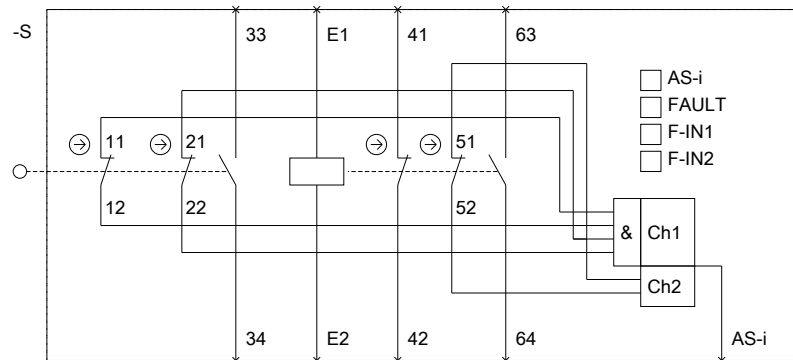
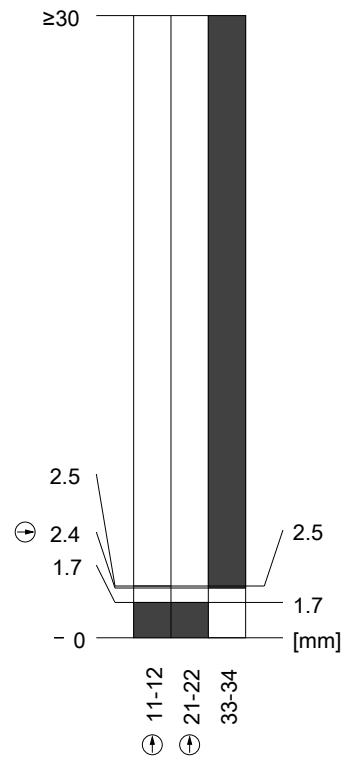
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SF1324-1SG21-1BA4>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1324-1SG21-1BA4&lang=en





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