SIEMENS

Product data sheet 3SF1324-1SD21-1BA3



SAFETY POSITION SWITCHES WITH SOLENOID INTERLOCKING LOCKING FORCE 1300N,
5 DIRECTIONS OF APPROACH PLASTIC ENCLOSURE,
M12 CONNECT. ASISAFE INTEGRATED CH1 AND
CH2=ACTUATOR 2NC,
SPRING-ACTUATED LOCK,
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

General technical details:		
product designation		position switch with tumbler
Product feature		with integrated ASIsafe electronics
Verification of suitability		CE / UL / CSA / CCC / VDE / TÜV
Supply voltage		
of the magnet coil	V	24
Type of voltage / of the supply voltage		
of the optional LED display		DC
Relative ON period		
of the magnet coil	%	100
Recorded real power		
of the magnet coil	W	3.5
Insulation voltage		
rated value	V	30
Degree of pollution		class 3
Thermal current	А	4
Operating current		
• at AC-15		
• at 24 V / rated value	Α	4
• at DC-13		

• at 24 V / rated value	Α	3
Continuous current		
• of the slow DIAZED fuse link	Α	4
of the quick DIAZED fuse link	Α	4
of the C characteristic circuit breaker	Α	0.5
Mechanical operating cycles as operating time		
• typical		1,000,000
Electrical operating cycles as operating time		
 with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 		1,000,000
Electrical operating cycles in one hour		
 with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 		6,000
Repeat accuracy	mm	0.1
Design of the contact element		slow-action contacts
Number of NC contacts		
• for the position surveillance of the locking element		0
• for the position surveillance of the activation element		2
Number of NO contacts		
• for the position surveillance of the locking element		0
• for the position surveillance of the activation element		0
Design of the switching function		positive opening
Resistance against vibration		0.35 mm / 5g
Resistance against shock		30g / 11 ms
Ambient temperature		
during operating	°C	-25 +60
during storage	°C	-40 +80
Width of the sensor	mm	54
Material		
• of the enclosure		plastic
Material / of the housing / of the switch head		plastic
Design of the operating mechanism		5 directions of approach
Actuating speed	mm/s / m/s	0.4 1.5
Minimum actuating force / in activation direction	N	30
Protection class IP		IP66/IP67
mounting position		any
Design of the electrical connection		M12 plug, fixed
Design of the plug-in connection		M12 plug, 4-pole: Pin 1 = ASI+ , Pin 2 = not assigned, Pin 3= ASI-, Pin 4 = not assigned
Manufacturer article number		

of the optional actuators	standard, with transverse fixing, with vertical fixing, radius actuator, universal actuator
Item designation	
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 	S
according to DIN EN 61346-2	В

Certificates/approvals:

General Product Approval













Functional Safety /
Safety of
Machinery



Test Certificates

other





Special Test Certificate other

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

CAx-Online-Generator

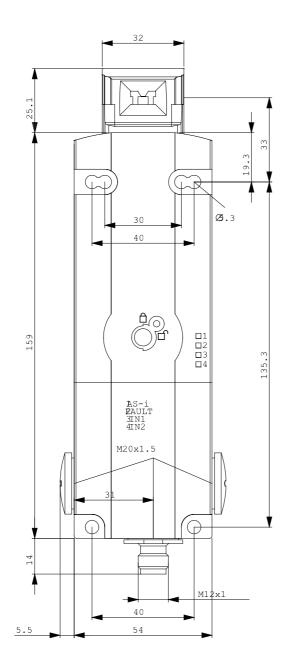
http://www.siemens.com/cax

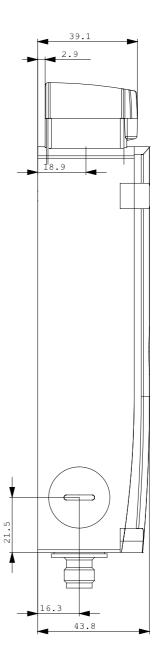
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SF1324-1SD21-1BA3/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SF1324-1SD21-1BA3





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