SIEMENS

Data sheet

product brand name

3SE5324-0SD21-1AE4



Safety switch with tumbler, with magnet monitoring Locking force 1300 N, for SIMATIC ET200eco PN; 5 approach directions, spring-locked, magnet voltage 24 V DC, monitoring 1 x door, monitoring 1 x interlock, wired with M12 connector, 8-pole, PIN1=11; PIN2=12, PIN3=41, PIN4=42, PIN5=n.a.; PIN6=n.a. PIN7=E1, PIN8=E2 Actuator 3SE5000-0AV0. /-0AW.. must be ordered separately. Connection accessories, e.g. for SIMATIC ET200eco PN-F: Y cable 6ES7194-6KC00-0XA0 Cable 8-pole 3SX5601-3SV18

design of the product with separate actuator and with tumbler product type designation SSE5 SSE5000-0AV01 standard actuator (a) SSE5000-0AV02 actuator with variety SSE5000-0AV03 actuator approach from right, SSE5000-0AV04 actuator approach from right, SSE5000-0AV05 variety Va	product brand name	SIKIUS
product type designation manufacturer's article number of the optional actuators manufacturer's article number of the optional actuator with transverse fixing, 3SE5000-0AW07 Heavy Duty actuator, 3SE5000-0AW07 actuator with transverse fixing, 3SE5000-0AW07 Heavy Duty actuator, 3SE5000-0AW03 actuator with transverse fixing, 3SE5000-0AW07 the actuator, 3SE5000-0AW03 actuator, approach from injet, 3SE5000-0AW03 actuator, approach from injet, 3SE5000-0AW07 Heavy Duty actuator, approach from injet, 3SE5000-0AW07 Heavy Duty actuator, approach from injet, 3SE5000-0AW03 actuator, approach from injet, 3SE5000-0AW03 actuator, approach from injet, 3SE5000-0AW07 Heavy Duty actuator, approach from injet, 3SE5000-0AW07 Heavy Duty actuator, approach from injet, 3SE5000-0AW03 actuator, approach from injet, asserbled actuator, approach from injet, ass	product designation	Mechanical safety switches
manufacturer's article number of the optional actuators assE5000-0AVO1 standard actuator, 3SE5000-0AVO2 actuator with vertical fixing, 3SE5000-0AVO3 actuator with transverse fixing, 3SE5000-0AVO4 radius actuator, approach from left, 3SE5000-0AVO4 radius actuator with vertical fixing, 3SE5000-0AVO4 sactuator with vertical fixing, astanless steel actuator with vertical fixing, astan	design of the product	with separate actuator and with tumbler
vertical fixing, 3SE5000-0AV03 actuator with transverse fixing, 3SE5000-0AV05 universal actuator, 3SE5000-0AV05 universal actuator, 3SE5000-0AV05 universal actuator, 3SE5000-0AV05 universal actuator, 3SE5000-0AV05 actuator, 3SE5000-0AV05 actuator, 3SE5000-0AV042 actuator with vertical fixing, stainless steel socket, 3SE5000-0AV43 actuator with transverse fixing, stainless steel actuator with vertical fixing, SSE5000-0AV63 stainless steel actuator with transverse fixing stainless steel actuator with transverse fixing version actuator with transverse fixing actuator with transverse fixing version actuator version actuator with transverse fixing version actuator version version actuator version actuator version version version actuator version version version actuator version version version version actuator version versi	product type designation	3SE5
product function positive opening surge voltage resistance value protection class IP profection		vertical fixing, 3SE5000-0AV03 actuator with transverse fixing, 3SE5000-0AV04 radius actuator, approach from left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator, approach from right, 3SE5000-0AV07 Heavy Duty actuator, 3SE5000-0AW42 actuator with vertical fixing, stainless steel socket, 3SE5000-0AW43 actuator with transverse fixing, stainless steel socket, 3SE5000-0AW51 stainless steel actuator, 3SE5000-0AW52 stainless steel actuator with vertical
product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP IP66/IP67 shock resistance • acc. to IEC 60068-2-27 30g / 11 ms vibration resistance • acc. to IEC 60068-2-6 0.35 mm / 5g mechanical service life (switching cycles) typical thermal current 1.5 A material of the enclosure of the switch head reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link gG locking force • acc. to DIN EN ISO 14119 1000 N repeat accuracy Substance Prohibitance (Date) consumed active power of magnet coil length of the sensor width of the sensor vidth of the sensor vides of pollution 20 V 18 short-circuit current and AC-15	suitability for use safety switch	Yes
insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical thermal current material of the enclosure of the switch head reference code acc. to IEC 81346-2 continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link gG locking force acc. to DIN EN ISO 14119 repeat accuracy Substance Prohibitance (Date) consumed active power of magnet coil length of the sensor width of the sensor vidence is say a source of the sensor in source of say a source of the sensor source of pollution class 3 30 V class 3 class 19 class 2 class 3 class 4 class 4	General technical data	
degree of pollution surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical thermal current material of the enclosure of the switch head reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the plazed fuse link g locking force acc. to DIN EN ISO 14119 consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor width of the sensor vibration class IP IP66/IP67 BP66/IP67 30g / 11 ms 400 000 1 500 000 1 500 000 1 500 000 1 500 000 1 500 000 1 500 000 2 0 N length of the sensor 198 mm width of the sensor 9 operational current at AC-15	product function positive opening	Yes
surge voltage resistance rated value protection class IP shock resistance acc. to IEC 60068-2-27 30g / 11 ms vibration resistance acc. to IEC 60068-2-6 acc. to IEC 81346-2 B continuous current of the enclosure of the switch head reference code acc. to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 1 A; for a short-circuit current smaller than 400 A locking force acc. to DIN EN ISO 14119 1 000 N repeat accuracy 0.05 mm Substance Prohibitance (Date) consumed active power of magnet coil 3.5 W actuating force in tension force vector typical length of the sensor yield the first manner 198 mm width of the sensor operational current at AC-15	insulation voltage rated value	30 V
protection class IP shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 acc. to IEC 81346-2 base continuous current of the enclosure of the switch head reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the plazed fuse link continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link gG 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 1 A; for a short-circuit current smaller than 400 A locking force 1 300 N repeat accuracy 0.05 mm Substance Prohibitance (Date) consumed active power of magnet coil 3.5 W actuating force in tension force vector typical length of the sensor yield for the sensor 198 mm width of the sensor operational current at AC-15	degree of pollution	class 3
shock resistance acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical thermal current material of the enclosure of the switch head reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG locking force acc. to DIN EN ISO 14119 repeat accuracy Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor o .35 mm / 5g 0.35 mm / 5g 1 000 000 1 100 000 1 2 A A A A A A A A A A A A A A A A A A	surge voltage resistance rated value	0.8 kV
acc. to IEC 60068-2-27 vibration resistance acc. to IEC 60068-2-6 eacc. to IEC 60068-2-6 mechanical service life (switching cycles) typical thermal current 1.5 A material of the enclosure of the switch head reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG 1 A; for a short-circuit current smaller than 400 A locking force eacc. to DIN EN ISO 14119 1000 N repeat accuracy Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor vidth of the sensor 54 mm operational current at AC-15	protection class IP	IP66/IP67
vibration resistance	shock resistance	30g / 11 ms
acc. to IEC 60068-2-6 mechanical service life (switching cycles) typical thermal current 1.5 A material of the enclosure of the switch head reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the plazed fuse link gG locking force acc. to DIN EN ISO 14119 repeat accuracy Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor onumed acturent at AC-15 onumed acturent at AC-15	• acc. to IEC 60068-2-27	30g / 11 ms
mechanical service life (switching cycles) typical thermal current material of the enclosure of the switch head reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the plazeD fuse link gG locking force • acc. to DIN EN ISO 14119 repeat accuracy Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor of the switching cycles) typical 1.5 A plastic 1.5 A B A; for a short-circuit current smaller than 400 A 1.5 A A; for a short-circuit current smaller than 400 A 1.5 A 1.5 A B 1.5 A Plastic 1.5 A 1.5 Or a short-circuit current smaller than 400 A 1.5 A; for a short-circuit current smaller than 400 A 1.5 A; for a short-circuit current smaller than 400 A 1.5 A; for a short-circuit current smaller than 400 A 1.5 A; for a short-circuit current smaller than 400 A 1.5 A; for a short-circuit current smaller than 400 A 1.5 A; for a short-circuit current smaller than 400 A 1.5 A; for a short-circuit current smaller than 400 A 1.5 A; for a short-circuit current smaller than 400 A 1.5 A; for a short-circu	vibration resistance	0.35 mm / 5g
thermal current material of the enclosure of the switch head plastic reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 1 A; for a short-circuit current smaller than 400 A locking force 1 300 N eacc. to DIN EN ISO 14119 1 000 N repeat accuracy 0.05 mm Substance Prohibitance (Date) 01.10.2011 00:00:00 consumed active power of magnet coil actuating force in tension force vector typical length of the sensor 198 mm width of the sensor 54 mm operational current at AC-15	• acc. to IEC 60068-2-6	0.35 mm/5g
material of the enclosure of the switch head reference code acc. to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 1 A; for a short-circuit current smaller than 400 A locking force 1 300 N • acc. to DIN EN ISO 14119 1 000 N repeat accuracy 0.05 mm Substance Prohibitance (Date) 01.10.2011 00:00:00 consumed active power of magnet coil 3.5 W actuating force in tension force vector typical length of the sensor 198 mm width of the sensor 54 mm operational current at AC-15	mechanical service life (switching cycles) typical	1 000 000
reference code acc. to IEC 81346-2 continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG 1 A; for a short-circuit current smaller than 400 A locking force acc. to DIN EN ISO 14119 1 000 N repeat accuracy 0.05 mm Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor 54 mm operational current at AC-15	thermal current	1.5 A
continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the plazed fuse link gG locking force acc. to DIN EN ISO 14119 repeat accuracy Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor one of the plazed fuse link gG 1 A; for a short-circuit current smaller than 400 A 1 A; fo	material of the enclosure of the switch head	plastic
continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG locking force acc. to DIN EN ISO 14119 repeat accuracy Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor one acc. to DIAZED fuse link gG 1 A; for a short-circuit current smaller than 400 A 1	reference code acc. to IEC 81346-2	В
continuous current of the DIAZED fuse link gG locking force	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
locking force	continuous current of the quick DIAZED fuse link	1 A; for a short-circuit current smaller than 400 A
● acc. to DIN EN ISO 14119 repeat accuracy 0.05 mm Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor perational current at AC-15	continuous current of the DIAZED fuse link gG	1 A; for a short-circuit current smaller than 400 A
repeat accuracy Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor operational current at AC-15	locking force	1 300 N
Substance Prohibitance (Date) consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor operational current at AC-15	acc. to DIN EN ISO 14119	1 000 N
consumed active power of magnet coil actuating force in tension force vector typical length of the sensor width of the sensor operational current at AC-15	repeat accuracy	0.05 mm
actuating force in tension force vector typical length of the sensor width of the sensor operational current at AC-15	Substance Prohibitance (Date)	01.10.2011 00:00:00
length of the sensor 198 mm width of the sensor 54 mm operational current at AC-15		3.5 W
width of the sensor 54 mm operational current at AC-15	actuating force in tension force vector typical	20 N
operational current at AC-15	length of the sensor	198 mm
	width of the sensor	54 mm
• at 24 V rated value 1.5 A	operational current at AC-15	
	 at 24 V rated value 	1.5 A

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<u> </u>		
design of the housing	special design	
material of the enclosure	plastic	
design of the housing acc. to standard	No	
Prive Head		
design of the actuating element	5 directions of approach	
design of the switching function	positive opening	
number of directions of actuation	5	
circuit principle	slow-action contacts	
number of switching contacts safety-related	2	
Connections/ Terminals		
type of electrical connection	screw-type terminals	
afety related data		
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	50 %	
cable entry type	M12 plug	
design of plug-in connection	M12 connector, 8-pole: Pin 1= 11, pin 2= 12, pin 3= 41, pin 4= 42, 5= n.c., pin 6= n.c., pin 7= E1, pin 8= E2	, pin
locking mechanism design	spring-actuated lock (closed-circuit principle) with auxiliary release	Э
ommunication/ Protocol		
design of the interface	without	
mbient conditions		
ambient temperature		
 during operation 	-25 +60 °C	
during storage	-40 +80 °C	
explosion protection category for dust	none	
Supply voltage		
supply voltage of magnet coil	24 V	
nstallation/ mounting/ dimensions		
mounting position	any	
fastening method	screw fixing	











UK Declaration of Conformity

Conformity

Declaration of Conformity

Test Certificates

other

Dangerous Good



Type Test Certificates/Test Report

Confirmation

Transport Information

Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

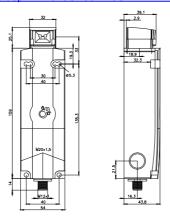
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5324-0SD21-1AE4

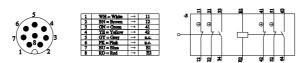
Cax online generator

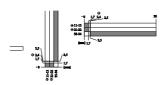
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 $\label{lem:service-support} \textbf{Service\&Support (Manuals, Certificates, Characteristics, FAQs,...)} \\ \underline{\texttt{https://support.industry.siemens.com/cs/ww/en/ps/3SE5324-0SD21-1AE4}} \\ \\$

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5324-OSD21-1AE4&lang=en







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