

# SIRIUS 3SE5 Position Switches

Modular design for all applications



## The most important advantages of SIRIUS position switches at a glance:

- Reduced variance and stock-keeping costs due to modular structure
- Easy replacement and mounting of actuator heads through plug mounting with uniform interface
- All actuator heads can be rotated in 22.5° increments
- Mounting time reductions of up to 25% through rapid connection system for plastic enclosures
- Entire ASIsafe electronics integrated in the standard enclosure
- LED displays optionally available for all enclosures
- Versions with 3-pole contact blocks ensure increased safety through redundant disconnection and additional signaling – while featuring the same enclosure dimensions as 2-pole contact blocks

# SIRIUS

Answers for industry.

**SIEMENS**

## Modular design


The standard position switches' modular design facilitates time savings and increased flexibility for the mounting of different switch versions.



Complete unit		Modular selection			
Order example Position switch according to EN 50 047; Molded-plastic enclosure; Contacts 1 NO/1 NC slow-action contact; Angular roller lever		Order example Position switch according to EN 50 047; Molded-plastic enclosure; Contacts 1 NO / 1 NC slow-action contact; Angular roller lever		Order example Position switch according to EN 50 047; Molded-plastic enclosure; Contacts 1 NO/1 NC slow-action contact; Twist lever	
	To be ordered:	 + 	To be ordered separately:	 +  + 	To be ordered separately:
	Complete unit: 3SE5232-0BF10		Actuator head: 3SE5000-0AF10		Twist lever: 3SE5000-0AA21
	Completely mounted		+		+
			Basic switch: 3SE5232-0BC05		Actuator head: 3SE5000-0AK00
			+	Basic switch: 3SE5232-0BC05	

## Selection of basic switches



	Con- tacts	Molded-plastic enclosure			Metal enclosure		
		31 mm width	40 mm width	50 mm width	31 mm width	40 mm width	56 mm width
 Safety switch Positive opening in acc. with IEC 60947-5-1							
Switching points acc. to ...		EN 50 047	EN 50 041	EN 50 047	EN 50 047	EN 50 041	EN 50 041
Mounting according to ...		EN 50 047	EN 50 041	—	EN 50 047	EN 50 041	—
Degree of protection		IP65	IP66/IP67	IP66/IP67	IP66/IP67	IP66/IP67	IP66/IP67
Number of screw connections M20 x 1.5	—	1	1	2	1	1	3
Order number of basic switch with snap-action contacts <sup>1)</sup>	1NO/1NC	3SE5232-0CC05	3SE5132-0CA00	3SE5242-0CC05	3SE5212-0CC05	3SE5112-0CA00	3SE5122-0CA00
	1NO/2NC	3SE5232-0LC05	3SE5132-0LA00	3SE5242-0LC05	3SE5212-0LC05	3SE5112-0LA00	3SE5122-0LA00
Order number of basic switch with slow-action contacts <sup>2)</sup>	1NO/1NC	3SE5232-0BC05	3SE5132-0BA00	3SE5242-0BC05	3SE5212-0BC05	3SE5112-0BA00	3SE5122-0BA00
	1NO/2NC	3SE5232-0KC05	3SE5132-0KA00	3SE5242-0KC05	3SE5212-0KC05	3SE5112-0KA00	3SE5122-0KA00

## Accessories

	Con- tacts	Contact blocks for all widths
 Safety switch Positive opening in acc. with IEC 60947-5-1		
<b>Installation in empty enclosure</b>		
Switching points acc. to ...		EN 50 047
Mounting according to ...		EN 50 047
<b>Installation in basic switch</b>		
EN ... for switching points and mounting depending on basic switch		
Degree of protection	2	IP20
	3	IP10
Order number of basic switch with snap-action contacts <sup>1)</sup>	1NO/1NC	3SE5000-0CA00
	1NO/2NC	3SE5000-0LA00
Order number of basic switch with slow-action contacts <sup>2)</sup>	1NO/1NC	3SE5000-0BA00
	1NO/2NC	3SE5000-0KA00

	Protective cap, rubber, for rounded plunger, according to EN 50 047 3SE5000-0AC30		Empty enclosure without contact block for open-type position switches 3SE5250-0AC05
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## Spare parts for 3SE51, 3SE52

Cover for molded-plastic enclosure, turquoise with LED				
		31 mm width	40 mm width	50 mm width
	24 V DC	3SE5230-1AA00	3SE5130-1AA00	3SE5240-1AA00
	230 V AC	3SE5230-3AA00	3SE5130-3AA00	3SE5240-3AA00
Cover for metal enclosure, turquoise with LED				
		31 mm width	40 mm width	56 mm width
	24 V DC	3SE5210-1AA00	3SE5110-1AA00	3SE5120-1AA00
	230 V AC	3SE5210-3AA00	3SE5110-3AA00	3SE5120-3AA00

<sup>1)</sup>Snap-action contacts: NC and NO contacts switch simultaneously, irrespective of the actuating speed

<sup>2)</sup>Slow-action contacts: the switching speed is equal to the actuating speed, difference in travel (zero-current interval) between NO and NC contact,  $v_{min} = 0.4m/s$



Actuators for 3SE5 standard position switches, plastic version, 31 mm and 50 mm, according to EN 50 047

		Order number	
		with plastic roller	with high-grade steel roller
Roller plunger	⊕	3SE5000-0AD03	3SE5000-0AD04
Roller lever with Metal lever	⊕	3SE5000-0AE10	3SE5000-0AE11
High-grade steel lever	⊕	3SE5000-0AE12	3SE5000-0AE13
Angular roller lever with Metal lever	⊕	3SE5000-0AF10	3SE5000-0AF11
High-grade steel lever	⊕	3SE5000-0AF12	3SE5000-0AF13
Spring rod with plastic plunger, 143 mm (for switches with snap-action contacts only)		3SE5000-0AR01	
Twist actuator +	⊕	<b>3SE5000-0AK00</b>	
Twist lever 21 mm with Metal lever	⊕	3SE5000-0AA21	3SE5000-0AA22
High-grade steel lever	⊕	3SE5000-0AA31	3SE5000-0AA32
Adjustable-length twist lever with Metal lever, infinitely adjustable		3SE5000-0AA50	3SE5000-0AA51
Metal lever with grid hole	⊕	3SE5000-0AA60	3SE5000-0AA61
Rod actuator in Aluminum 200 mm		3SE5000-0AA80	
Plastic 200 mm		3SE5000-0AA82	

Actuators for standard position switches 3SE5, plastic version, 40 mm, according to EN 50 041

		Order number	
		with plastic roller	with high-grade steel roller
Plain plunger	⊕	3SE5000-0AB01	
Roller plunger	⊕	3SE5000-0AD05	3SE5000-0AD06
Rounded plunger	⊕	3SE5000-0AC03	
Roller lever with Metal lever	⊕	3SE5000-0AE05	–
Angular roller lever with Metal lever	⊕	3SE5000-0AF05	–
Spring rod with plastic plunger 143 mm (for switches with snap action contacts only)		3SE5000-0AR01	
Twist actuator +	⊕	<b>3SE5000-0AJ00</b>	
Twist lever, 27 mm with Metal lever	⊕	3SE5000-0AA01	3SE5000-0AA02
High-grade steel lever	⊕	3SE5000-0AA11	3SE5000-0AA12
Adjustable-length twist lever with Metal lever, infinitely adjustable		3SE5000-0AA50	3SE5000-0AA51
Metal lever with grid hole	⊕	3SE5000-0AA60	3SE5000-0AA61
Rod actuator in Aluminum 200 mm		3SE5000-0AA80	
Plastic 200 mm		3SE5000-0AA82	



Actuators for 3SE5 standard position switches, metal version, 31 mm, according to EN 50 047

		Order number	
		with plastic roller	with high-grade steel roller
Plain plunger	⊕	3SE5000-0AB01	
Roller plunger	⊕		3SE5000-0AD03
Roller lever with Metal lever	⊕		3SE5000-0AD04
High-grade steel lever	⊕		3SE5000-0AE10
Angular roller lever with Metal lever	⊕		3SE5000-0AE11
High-grade steel lever	⊕		3SE5000-0AE12
Angular roller lever with Metal lever	⊕		3SE5000-0AE13
Angular roller lever with Metal lever	⊕		3SE5000-0AF10
High-grade steel lever	⊕		3SE5000-0AF11
High-grade steel lever	⊕		3SE5000-0AF12
High-grade steel lever	⊕		3SE5000-0AF13
Spring rod with plastic plunger, 143 mm (for switches with snap-action contacts only)		3SE5000-0AR01	
Twist actuator +	⊕	+	<b>3SE5000-0AK00</b> +
Twist lever 21 mm with Metal lever	⊕		3SE5000-0AA21
High-grade steel lever	⊕		3SE5000-0AA22
Adjustable-length twist lever with Metal lever, infinitely adjustable			3SE5000-0AA31
High-grade steel lever	⊕		3SE5000-0AA32
Adjustable-length twist lever with Metal lever, infinitely adjustable			3SE5000-0AA50
Metal lever with grid hole	⊕		3SE5000-0AA51
Metal lever with grid hole	⊕		3SE5000-0AA60
Metal lever with grid hole	⊕		3SE5000-0AA61
Rod actuator in Aluminum 200 mm		3SE5000-0AA80	
Plastic 200 mm		3SE5000-0AA82	

Actuators for standard position switches 3SE5, metal version, 40 mm and 56 mm, according to EN 50 041

		Order number	
		with plastic roller	with high-grade steel roller
Plain plunger	⊕	3SE5000-0AB01	
Rounded plunger with overtravel, high-grade steel	⊕	3SE5000-0AC02	
Roller plunger, with overtravel	⊕	-	3SE5000-0AD02
Roller lever with Metal lever	⊕		3SE5000-0AE01
High-grade steel lever	⊕		3SE5000-0AE02
Angular roller lever with Metal lever	⊕		3SE5000-0AE03
High-grade steel lever	⊕		3SE5000-0AE04
Angular roller lever with Metal lever	⊕		3SE5000-0AF01
High-grade steel lever	⊕		3SE5000-0AF02
High-grade steel lever	⊕		3SE5000-0AF03
High-grade steel lever	⊕		3SE5000-0AF04
Spring rod with plastic plunger 143 mm (for switches with snap action contacts only)		3SE5000-0AR01	
Twist actuator +	⊕	+	<b>3SE5000-0AH00</b> +
Twist lever 27 mm with Metal lever	⊕		3SE5000-0AA01
High-grade steel lever	⊕		3SE5000-0AA02
Adjustable-length twist lever with Metal lever, infinitely adjustable			3SE5000-0AA11
High-grade steel lever	⊕		3SE5000-0AA12
Adjustable-length twist lever with Metal lever, infinitely adjustable			3SE5000-0AA50
Metal lever with grid hole	⊕		3SE5000-0AA51
Metal lever with grid hole	⊕		3SE5000-0AA60
Metal lever with grid hole	⊕		3SE5000-0AA61
Rod actuator in Aluminum 200 mm		3SE5000-0AA80	
Plastic 200 mm		3SE5000-0AA82	

## SIRIUS position switches: Complete units for the most common applications

Of course, we do not only offer position switches in modular design for maximum version diversity, but also complete devices for common applications. The basic switch of such complete devices is already equipped with the actuator head ex works. The tables below represent a small extract of our "hot-sellers".

Other designs such as position switches with 4 or 6 contacts, -40° variants, hinge switches, position switches

with separate actuator, safety position switches with interlocking and the complete range of position switches with AS-I connection as well as position switches according to ATEX 95 (Zone 21/22) can be found in our main catalog IC 10. You will find the online configurator for the 3SE5 at the following link:

[www.siemens.com/industrial-controls/configurators](http://www.siemens.com/industrial-controls/configurators).



Molded-plastic or metal enclosure, 31 mm width, according to EN 50 047, with snap-action contacts 1 NO/1 NC

Order number, plastic	Order number, metal	Actuator	SR*	PR*
3SE5232-0CC05	3SE5212-0CC05	Rounded plunger		
3SE5232-0HD03	3SE5212-0CD03	Roller plunger		X
3SE5232-0HE10	3SE5212-0CE10	Roller lever		X
3SE5232-0HF10	3SE5212-0CF10	Angular roller lever		X
3SE5232-0HK21	3SE5212-0CK21	Twist lever		X
3SE5232-0HK50	3SE5212-0CK50	Twist lever, infinitely adjustable length		X



Molded-plastic or metal enclosure, 40 mm width, according to EN 50 041, with snap-action contacts 1 NO / 1 NC

Order number, plastic	Order number, metal	Actuator	SR*	PR*
3SE5132-0CB01	3SE5112-0CB01	Plain plunger, high-grade steel		
3SE5132-0CC03	3SE5112-0CC02	Rounded plunger		
3SE5132-0CD05	3SE5112-0CD02	Roller plunger	X	
3SE5132-0CE05	3SE5112-0CE01	Roller lever		X
3SE5132-0CF05	3SE5112-0CF01	Angular roller lever		X
3SE5132-0CJ01	3SE5112-0CH01	Twist lever		X
3SE5132-0CJ50	3SE5112-0CH50	Twist lever, infinitely adjustable length		X
3SE5132-0CJ80	3SE5112-0CH80	Rod actuator, aluminum		
3SE5132-0CR01	3SE5112-0CR01	Spring rod		



Molded-plastic enclosure, 50 mm width, switching points according to EN 50 047, with snap-action contacts 1 NO/1 NC

Order number	Actuator	SR*	PR*
3SE5242-0CC05	Rounded plunger with teflon plunger		
3SE5242-0HD03	Roller plunger		X
3SE5242-0HE10	Roller lever		X
3SE5242-0HK21	Twist lever		X
3SE5242-0HK50	Twist lever, adjustable length		X



Metal enclosure, 56 mm width, switching points according to EN 50 041, with snap-action contacts 1 NO/1 NC

Order number	Actuator	SR*	PR*
3SE5122-0CC02	Rounded plunger, high-grade steel		
3SE5122-0CD02	Roller plunger	X	
3SE5122-0CE01	Roller lever		X
3SE5122-0CH01	Twist lever		X
3SE5122-0CH50	Twist lever, infinitely adjustable length		X

SR\* – with high-grade steel roller  
PR\* – with plastic roller

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