



Position switch Metal enclosure Plain plunger Snap-action contacts 1 NO+1 NC Short stroke, special operating travel Slow-action contacts 1 NO+2 NC Tappet spring Actuating/restoring force 30 N customized

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
• of the supplied actuator head for position switches	3SE5000-0AB01
• of the supplied switching contacts	on request
• of the supplied empty enclosure with cover	3SE5162-0AA00
suitability for use safety switch	Yes
General technical data	
product function positive opening	Yes
insulation voltage rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	6 kV
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	5 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000
electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	5 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
thermal current	10 A
material of the enclosure of the switch head	plastic
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	10 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	6 A
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (Date)	01.07.2006
minimum actuating force in directions of actuation	40 N
length of the sensor	125.3 mm
width of the sensor	56 mm
design of the switching contact	mechanical
operating frequency rated value	50 ... 60 Hz
number of NC contacts for auxiliary contacts	3

number of NO contacts for auxiliary contacts	2	
operational current at AC-15 - at 24 V rated value - at 125 V rated value - at 240 V rated value - at 400 V rated value	6 A 6 A 6 A 4 A	
operational current at DC-13 - at 24 V rated value - at 125 V rated value - at 250 V rated value - at 400 V rated value	3 A 0.55 A 0.27 A 0.12 A	
design of the interface for safety-related communication	without	
Enclosure		
design of the housing	block, wide	
material of the enclosure	metal	
coating of the enclosure	cathodic dip coating	
design of the housing acc. to standard	No	
Drive Head		
design of the actuating element	Rounded plunger, high-grade steel plunger	
standard-compliant actuator head	EN 50041, design B	
shape of the switch head	rounded	
design of the switching function	positive opening	
circuit principle	snap-action contacts and slow-action contacts	
number of switching contacts safety-related	3	
Connections/ Terminals		
type of electrical connection	screw-type terminals	
type of connectable conductor cross-sections - solid - finely stranded with core end processing - at AWG cables solid - at AWG cables stranded	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) 1x (20 ... 16), 2x (20 ... 18) 1x (20 ... 16), 2x (20 ... 18)	
cable entry type	3x (M20 x 1.5)	
Communication/ Protocol		
design of the interface	without	
Ambient conditions		
ambient temperature - during operation - during storage	-25 ... +85 °C -40 ... +90 °C	
explosion protection category for dust	none	
Installation/ mounting/ dimensions		
mounting position	any	
fastening method	screw fixing	
Certificates/ approvals		
General Product Approval	Declaration of Conformity	Test Certificates



[UK Declaration of Conformity](#)

[Type Test Certificates/Test Report](#)

other

[Confirmation](#)

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=3SE5162-0UB01-1AM4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0UB01-1AM4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0UB01-1AM4>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0UB01-1AM4&lang=en



