

POSITION SWITCH METAL ENCL. SINGLE
PLUNGER, SNAP-ACTION CONTACTS 1NO+1NC,
SHORT STROKE, SPECIAL TRAVEL, SLOW-ACTION
CONTACTS 1NO+2NC, PLUNGER SPRING WITH
ACTUATING/ RESTORING FORCE 30N CUSTOMIZED
standard position switch

Product designation		
Manufacturer article number		
<ul style="list-style-type: none"> • of the supplied actuator head for position switches • of the supplied empty enclosure with cover 		3SE5000-0AB01 3SE5162-0AA00

General technical data:

Product function		
<ul style="list-style-type: none"> • positive opening 		Yes
Insulation voltage		
<ul style="list-style-type: none"> • Rated value 	V	400
Degree of pollution		class 3
Shock resistance		30g / 11 ms
Vibration resistance		0.35 mm / 5g
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
<ul style="list-style-type: none"> • typical 		5 000 000
Electrical endurance (switching cycles)		
<ul style="list-style-type: none"> • 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	A	10
Material of the enclosure of the switch head		plastic
Protection class IP		IP66/IP67
Equipment marking		
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 		B B
Active principle		mechanical
Repeat accuracy	mm	0.05
Explosion protection category for dust		none
Explosion protection category for gas		none

Minimum actuating force in activation direction	N	40
Operating current at AC-15		
• at 230 V Rated value	A	3
Operating current		
• at DC-13 at 125 V Rated value	A	0.55
Operating current		
• at DC-13		
— at 24 V Rated value	A	3

Enclosure:

Design of the housing		block, wide
Material of the enclosure		metal
Coating of the enclosure		cathodic immersion coating
Design of the housing acc. to standard		No

Drive Head:

Design of the operating mechanism		stainless steel plunger
Standard-compliant actuator head		EN 50041, design B
Shape of the switch head		rounded
Design of the switching function		positive opening

Connections/ Terminals:

Type of electrical connection		screw-type terminals
Type of connectable conductor cross-section		
• solid		1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• finely stranded with core end processing		1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• finely stranded without core end processing		1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• for AWG conductors		
— solid		1x (20 ... 16), 2x (20 ... 18)
— stranded		1x (20 ... 16), 2x (20 ... 18)

Mechanical data:

Cable entry type		3 x (M20 x 1.5)
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Communication/ Protocol:

Design of the interface		without
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Ambient conditions:

Ambient temperature		
• during operation	°C	-25 ... +85
• during storage	°C	-40 ... +90

Installation/ mounting/ dimensions:

mounting position		any
Mounting type		screw fixing

Certificates/ approvals:



Further information

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

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

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE51620UB011AM4>

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

<http://support.automation.siemens.com/WW/view/en/3SE51620UB011AM4/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE51620UB011AM4&lang=en

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