



SIRIUS POSITION SWITCH, METAL ENCLOSURE
40MM, TO EN50041 DEVICE CONNECTION 1X
(M20X1.5) 1NO/1NC SLOW-ACTION CONTACTS
PLAIN PLUNGER, STAINLESS STEEL

Product designation		standard position switch
Manufacturer article number		
<ul style="list-style-type: none"> • of the supplied basic switch • of the supplied actuator head for position switches • of the supplied switching contacts • of the supplied empty enclosure with cover 		3SE5112-0BA00 3SE5000-0AB01 3SE5000-0BA00 3SE5112-0AA00

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 		15 000 000
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		10 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026		6 000

Thermal current	A	6
Material of the enclosure of the switch head		metal
Protection class IP		IP66/IP67
Equipment marking		B
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 		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	20
Operating current at AC-15		
<ul style="list-style-type: none"> • at 230 V Rated value 	A	3
Operating current		
<ul style="list-style-type: none"> • at DC-13 at 125 V Rated value 	A	0.55
Operating current		
<ul style="list-style-type: none"> • at DC-13 — at 24 V Rated value 	A	3

Enclosure:

Design of the housing		block, narrow
Material of the enclosure		metal
Coating of the enclosure		cathodic immersion coating
Design of the housing acc. to standard		Yes

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		
<ul style="list-style-type: none"> • solid 		1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
<ul style="list-style-type: none"> • finely stranded with core end processing 		1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
<ul style="list-style-type: none"> • finely stranded without core end processing 		1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
<ul style="list-style-type: none"> • for AWG conductors 		
<ul style="list-style-type: none"> — solid 		1x (20 ... 16), 2x (20 ... 18)
<ul style="list-style-type: none"> — stranded 		1x (20 ... 16), 2x (20 ... 18)

Mechanical data:

Cable entry type		1x (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
- during storage

°C

-25 ... +85

°C

-40 ... +90

Installation/ mounting/ dimensions:

mounting position

any

Mounting type

screw fixing

Certificates/ approvals:

General Product Approval

Declaration of Conformity

Test Certificates

other



CSA



UL



EG-Konf.

[Special Test
Certificate](#)

[Confirmation](#)

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=3SE51120BB01>

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

<http://support.automation.siemens.com/WW/view/en/3SE51120BB01/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=3SE51120BB01&lang=en

