

BASIC SWITCH FOR POSITION SWITCH 3SE51. ATEX METAL ENCLOSURE 40MM WIDE TO EN50041 DEVICE CONNECTION 3X (M20X1.5) 1NO/ 2NC SNAP-ACTION CONTACTS W/O ACTUATOR HEAD

Manufacturer article number

- of the basic unit included in the scope of supply

[3SE5112-0LA00-1DA0](#)

General technical details:

product designation		basic switch for standard position switches
Product feature		ATEX Zone 21/22
Explosion protection category for dust		Zone 21, 94/9/EC II 2D
Insulation voltage		
• rated value	V	400
Degree of pollution		class 3
Thermal current	A	6
Operating current		
• at AC-15		
• at 24 V / rated value	A	6
• at 125 V / rated value	A	6
• at 230 V / rated value	A	1.5
• at 400 V / rated value	A	4
• at DC-13		
• at 24 V / rated value	A	3
• at 125 V / rated value	A	0.55
• at 230 V / rated value	A	0.27
Continuous current		
• of the slow DIAZED fuse link	A	6
• of the quick DIAZED fuse link	A	10
• of the C characteristic circuit breaker	A	1
Mechanical operating cycles as operating time		
• typical		15,000,000
Electrical operating cycles as operating time		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical		10,000,000
• at AC-15 / at 230 V / typical		100,000
Electrical operating cycles in one hour		

• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026		6,000
Repeat accuracy	mm	0.05
Design of the contact element		snap-action contacts
Number of NC contacts • for auxiliary contacts		2
Design of the switching function		Positive opening with appropriate positive opening actuator head
Number of NO contacts • for auxiliary contacts		1
Resistance against vibration		0.35 mm / 5g
Resistance against shock		30g / 11 ms
Ambient temperature • during operating • during storage	°C °C	-25 ... +85 -40 ... +90
Product specification • for dimensions		EN 50041
Width of the sensor	mm	40
Material • of the enclosure		metal
Design of the operating mechanism		without
Actuating speed	mm/s / m/s	0.1 ... 2.5
Minimum actuating force / in activation direction	N	20
Protection class IP		IP66/IP67
mounting position		any
Cable gland version		1x (M20 x 1.5)
Design of the electrical connection		screw-type terminals
Item designation • according to DIN 40719 extendable after IEC 204-2 • according to DIN EN 61346-2		S B

Certificates/approvals:

General Product Approval			For use in hazardous locations	Functional Safety / Safety of Machinery	
 CCC	 GOST	 UL	 VDE	 ATEX	 VDE
Declaration of Conformity	Test Certificates	other			
 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/industrial-controls/mall>

CAX-Online-Generator

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

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

<http://support.automation.siemens.com/WW/view/en/3SE5112-0LA00-1DA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0LA00-1DA0

last change:

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