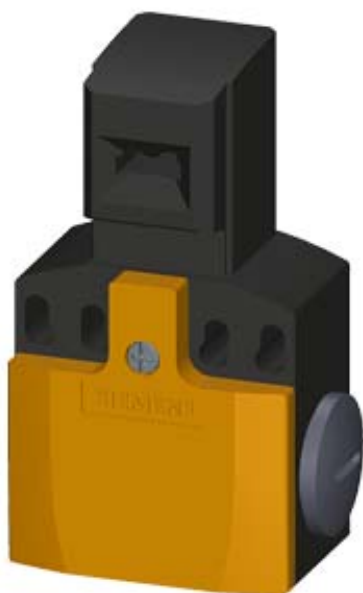




SAFETY POSITION SWITCH W. SEPARATE ACTUATOR,
PLASTIC ENCLOSURE, 50MM;
2X(M20X1.5) SLOW-ACTION CONTACTS 1NO+1NC 5
APPROACH DIRECTIONS,
EXTRACTION FORCE 30N THE SUITABLE ACTUATOR
3SE5000-0AV0 MUST BE ORDERED SEPARATELY

General technical data:

Product designation		position switch with separate actuator
Product feature		increased restoring force
Explosion protection category for dust		none
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	3
• 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		1,000,000
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		slow-action contacts
Number of NC contacts		
• for auxiliary contacts		2
Design of the switching function		positive opening
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	°C	-25 ... +85
• during storage	°C	-40 ... +90
Width of the sensor	mm	50
Material		
• of the enclosure		plastic
Material / of the enclosure / of the switch head		plastic
Design of the operating mechanism		5 directions of approach
Actuating speed	mm/s / m/s	0.4 ... 0.5
Minimum actuating force / in activation direction	N	30
Protection class IP		IP66/IP67
mounting position		any
Cable gland version		2 x (M20 x 1.5)
Design of the electrical connection		screw-type terminals
Manufacturer article number		
• of the optional actuators		3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with horizontal mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy-duty actuator, 3SE5000-0AW11 plastic actuator, 3SE5000-0AW21 stainless steel actuator

Reference code

- according to DIN 40719 extended according to IEC 204-2
- according to DIN EN 61346-2

S
B

Certificates/ approvals:**General Product Approval****Declaration of
Conformity****Test Certificates**

CCC



CSA



UL



EG-Konf.

[Special Test
Certificate](#)

other

[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/3SE5242-0RV40-1AA1/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5242-0RV40-1AA1

