



Figure similar

SAFETY POSITION SWITCHES WITH SOLENOID INTERLOCKING LOCK. FORCE 2600N,5 APPR. DIR. METAL HOUSING,3X(M20X1.5) SPRING-LOCKED, AUXILIARY RELEASE ON FRONT MAGNET VOLTAGE 24V DC, MONITOR. OF ACTUATOR 2NC/1NO, MONITOR. OF MAGNET 2NC/1NO LEDS YELLOW/GREEN

Product designation	position switch with tumbler
Design of the product	with separate actuator and with tumbler
Manufacturer article number	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with transverse mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy duty actuator
<ul style="list-style-type: none"> of the optional actuators 	

General technical data:

Product function	Yes
<ul style="list-style-type: none"> positive opening 	
Insulation voltage	250 V
<ul style="list-style-type: none"> Rated value 	
Degree of pollution	class 3
Shock resistance	30g / 11 ms
<ul style="list-style-type: none"> acc. to IEC 60068-2-27 	
Vibration resistance	0.35 mm / 5g
<ul style="list-style-type: none"> acc. to IEC 60068-2-6 	
Surge voltage resistance Rated value	4 kV
Mechanical service life (switching cycles)	1 000 000
<ul style="list-style-type: none"> typical 	
Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	1 000 000

Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
Thermal current	6 A
Material of the enclosure of the switch head	metal
Protection class IP	IP66/IP67
Equipment marking	
• acc. to DIN EN 61346-2	B
• acc. to DIN EN 81346-2	B
Locking force	2 600 N
• acc. to BG-GS-ET 19	2 000 N
Repeat accuracy	0.05 mm
Explosion protection category for dust	none
Explosion protection category for gas	none
Minimum actuating force in activation direction	30 N
Operating current at AC-15	
• at 230 V Rated value	1.5 A
Operating current	
• at DC-13 at 125 V Rated value	0.55 A
Operating current	
• at DC-13	
— at 24 V Rated value	3 A

Enclosure:	
Design of the housing	special design
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	5 directions of approach
Design of the switching function	positive opening
Number of actuation directions	5

Connections/ Terminals:	
Type of electrical connection	screw-type terminals
Type of connectable conductor cross-section	
• solid	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• finely stranded with core end processing	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• finely stranded without core end processing	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• 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)
Locking mechanism design	spring-actuated lock (closed-circuit principle) with auxiliary release

Communication/ Protocol:

Design of the interface	without
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Ambient conditions:

Ambient temperature	
<ul style="list-style-type: none"> during operation 	-25 ... +60 °C
<ul style="list-style-type: none"> during storage 	-40 ... +80 °C

Supply voltage:

Type of voltage of the supply voltage	
<ul style="list-style-type: none"> of the optional LED indicator 	DC
Supply voltage	
<ul style="list-style-type: none"> of LED 	24 V
Supply voltage of the magnet coil	24 V

Installation/ mounting/ dimensions:

mounting position	any
Mounting type	screw fixing

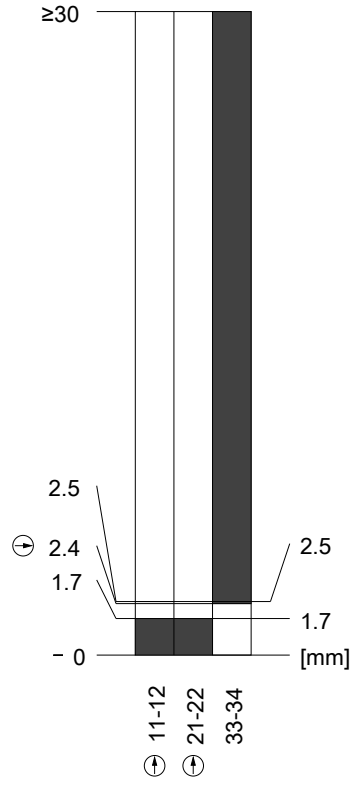
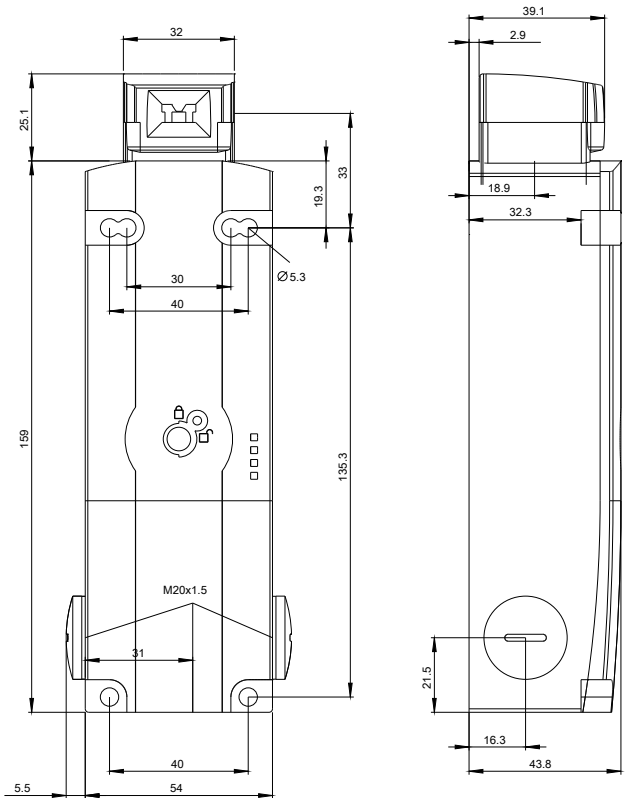
Certificates/ approvals:

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC  CSA  UL	 EAC Type Examination Certificate	 CE EG-Konf.

Test Certificates	other
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&mfb=3SE53121SD11>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3SE53121SD11>



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