SIEMENS

Data sheet 3SE5322-0SB21



Figure similar

SAFETY POSITION SWITCHES WITH SOLENOID INTERLOCKING LOCK. FORCE 1300N,5 APPR. DIR. PLASTIC ENCLOSURE,3X(M20X1.5) MAGNETIC FIELD LOCKED, MAGNET VOLTAGE 24V DC, MONITOR. OF ACTUATOR 2NC/1NO, MONITOR. OF MAGNET 2NC/1NO

Product designation	position switch with tumbler
Design of the product	with separate actuator and with tumbler
Manufacturer article number	
• of the optional actuators	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

General technical data:	
Product function	
• positive opening	Yes
Insulation voltage	
• Rated value	250 V
Degree of pollution	class 3
Shock resistance	30g / 11 ms
• acc. to IEC 60068-2-27	30 g / 11 ms
Vibration resistance	0.35 mm / 5g
• acc. to IEC 60068-2-6	0.35 mm/5g
Surge voltage resistance Rated value	4 kV
Mechanical service life (switching cycles)	
• typical	1 000 000
Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	1 000 000

Changes preserved
© Copyright Siemens AG

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	plastic
Protection class IP	IP66/IP67
Equipment marking	
• acc. to DIN EN 61346-2	B
• acc. to DIN EN 81346-2	B
Locking force	1 300 N
• acc. to BG-GS-ET 19	1 000 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	plastic
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 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)

Changes preserved
© Copyright Siemens AG

Locking mechanism design	magnetic field lock (open-circuit principle)

Communication/ Protocol:

Design of the interface	without

Ambient conditions:

Ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C

Supply voltage:

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	Test Certificates
CCC CSA EAC	Type Examination Certificate	EG-Konf.	Special Test Certificate

other

Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

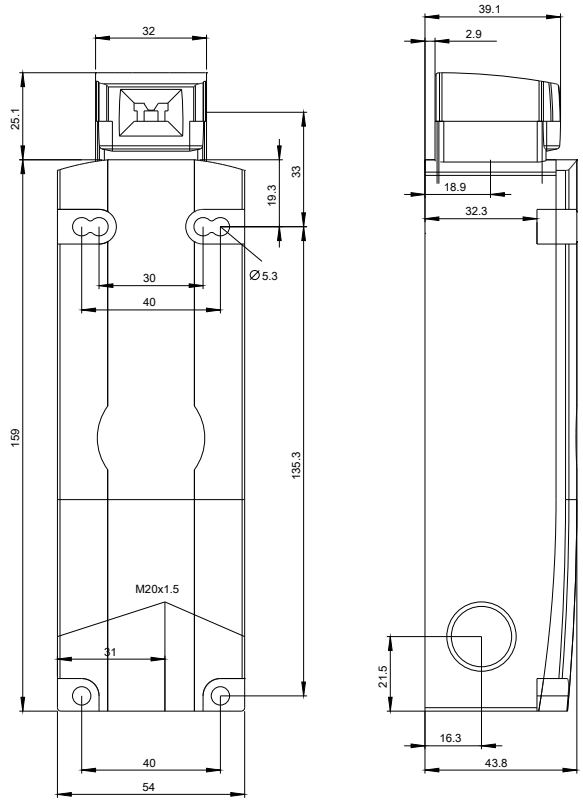
Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

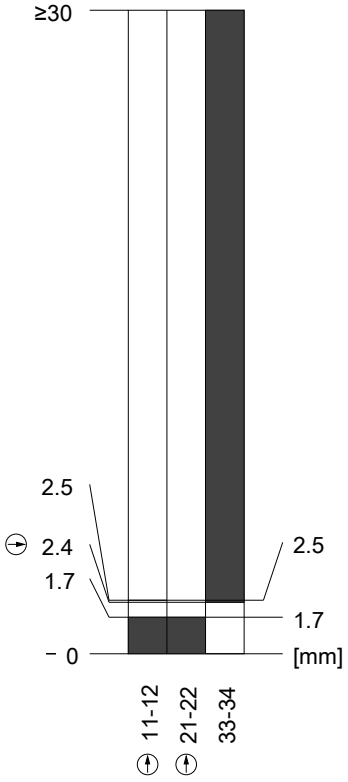
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE53220SB21

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE53220SB21

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE53220SB21&lang=en

Changes preserved
© Copyright Siemens AG





last modified: 27.04.2015

Changes preserved
© Copyright Siemens AG