



SAFETY POSITION SWITCHES WITH SOLENOID INTERLOCKING LOCK. FORCE 1300N,5 APPR. DIR. PLASTIC ENCLOSURE,3X(M20X1.5) SPRING-LOCKED, ESCAPE RELEASE FROM REAR AND AUX. RELEASE ON FRONT 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's 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
Surge voltage resistance rated value	4 kV
Protection class IP	IP65/IP67
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 	0.35 mm/5g
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> • typical 	1 000 000
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	plastic
Equipment marking	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	B
<ul style="list-style-type: none"> • acc. to DIN EN 81346-2 	B
Continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
Continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
Continuous current of the DIAZED fuse link gG	6 A; for a short-circuit current smaller than 400 A
Locking force	1 300 N
<ul style="list-style-type: none"> • acc. to DIN EN ISO 14119 	1 000 N
Repeat accuracy	0.05 mm
Minimum actuating force in activation direction	30 N
Operating current at AC-15	
<ul style="list-style-type: none"> • at 24 V rated value 	6 A
<ul style="list-style-type: none"> • at 125 V rated value 	3 A
<ul style="list-style-type: none"> • at 230 V rated value 	1.5 A
Operating current at DC-13	
<ul style="list-style-type: none"> • at 24 V rated value 	3 A
<ul style="list-style-type: none"> • at 125 V rated value 	0.55 A
<ul style="list-style-type: none"> • at 230 V rated value 	0.27 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-sections	
<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)

- at AWG conductors solid
- at AWG conductors stranded

1x (20 ... 16), 2x (20 ... 18)

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 escape release from the back and auxiliary release from the front

Communication/ Protocol

Design of the interface	without
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Ambient conditions

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

Supply voltage

Supply voltage of magnet coil	24 V
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Installation/ mounting/ dimensions

Mounting position	any
Mounting type	screw fixing

Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
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[Type Examination Certificate](#)



Test Certificates	other
Special Test Certificate	Confirmation

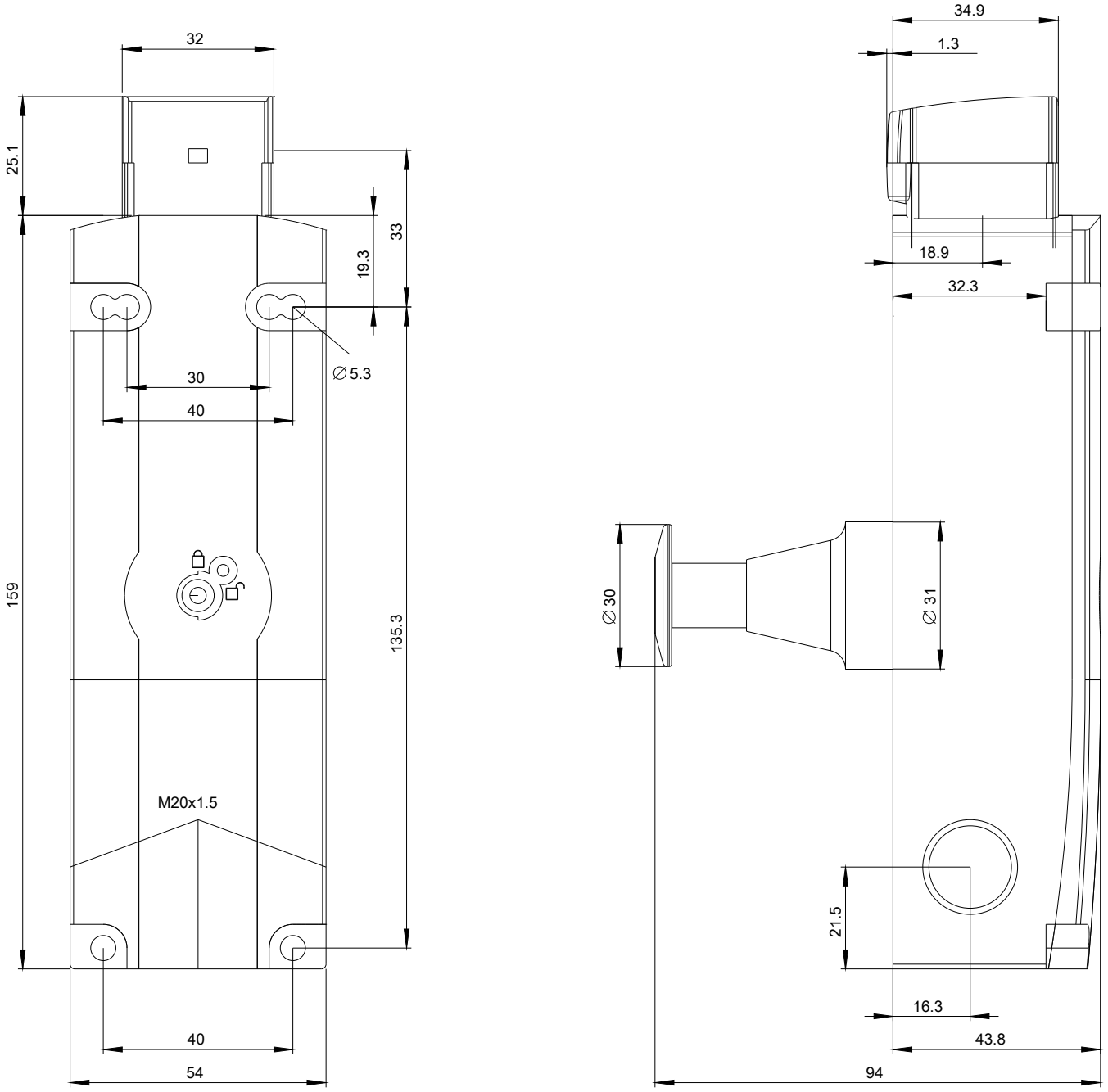
Further information

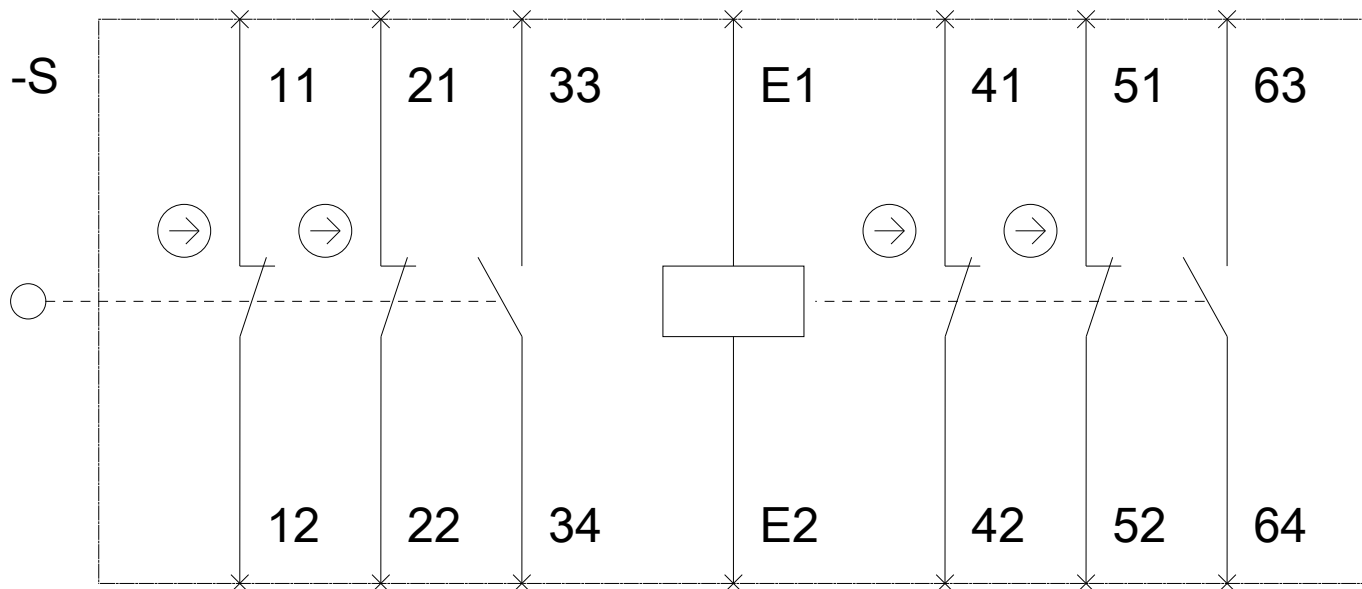
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<http://www.siemens.com/industrial-controls/catalogs>

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