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Data sheet 3SE5232-0BC05



position switch plastic enclosure according to EN 50047, 31 mm device connection 1 x(M20 x 1.5), 1 NO/1 NC quick action contacts, rounded plunger, form B

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
● of the supplied basic switch	3SE5232-0BC05
● of the supplied switching contacts	3SE5000-0BA00
● of the supplied empty enclosure with cover	3SE5232-0AC05
suitability for use safety switch	Yes
General technical data	
product function positive opening	Yes
insulation voltage rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	6 kV
protection class IP	IP65
shock resistance	
● acc. to IEC 60068-2-27	30g / 11 ms
vibration resistance	
● acc. to IEC 60068-2-6	0.35 mm/5g
mechanical service life (switching cycles) typical	15 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000
electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	10 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
thermal current	10 A
material of the enclosure of the switch head	plastic
reference code acc. to IEC 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
active principle	mechanical
repeat accuracy	0.05 mm
minimum actuating force in directions of actuation	20 N
length of the sensor	75.7 mm
width of the sensor	31 mm
design of the switching contact	mechanical

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operating frequency rated value	50 ... 60 Hz
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
operational current at AC-15	
• at 24 V rated value	6 A
• at 120 V rated value	6 A
• at 240 V rated value	6 A
• at 400 V rated value	4 A
operational current at DC-13	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A
• at 250 V rated value	0.27 A
• at 400 V rated value	0.12 A
design of the interface for safety-related communication	without
Enclosure	
design of the housing	block, narrow
material of the enclosure	plastic
coating of the enclosure	Other types
design of the housing acc. to standard	Yes
Drive Head	
design of the actuating element	Rounded plunger, Teflon plunger
standard-compliant actuator head	EN 50047, design B
shape of the switch head	rounded
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	1
Connections/ Terminals	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
• 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)
• at AWG cables solid	1x (20 ... 16), 2x (20 ... 18)
• at AWG cables stranded	1x (20 ... 16), 2x (20 ... 18)
cable entry type	1x (M20 x 1.5)
Communication/ Protocol	
design of the interface	without
Ambient conditions	
explosion protection category for dust	none
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Certificates/ approvals	
General Product Approval	

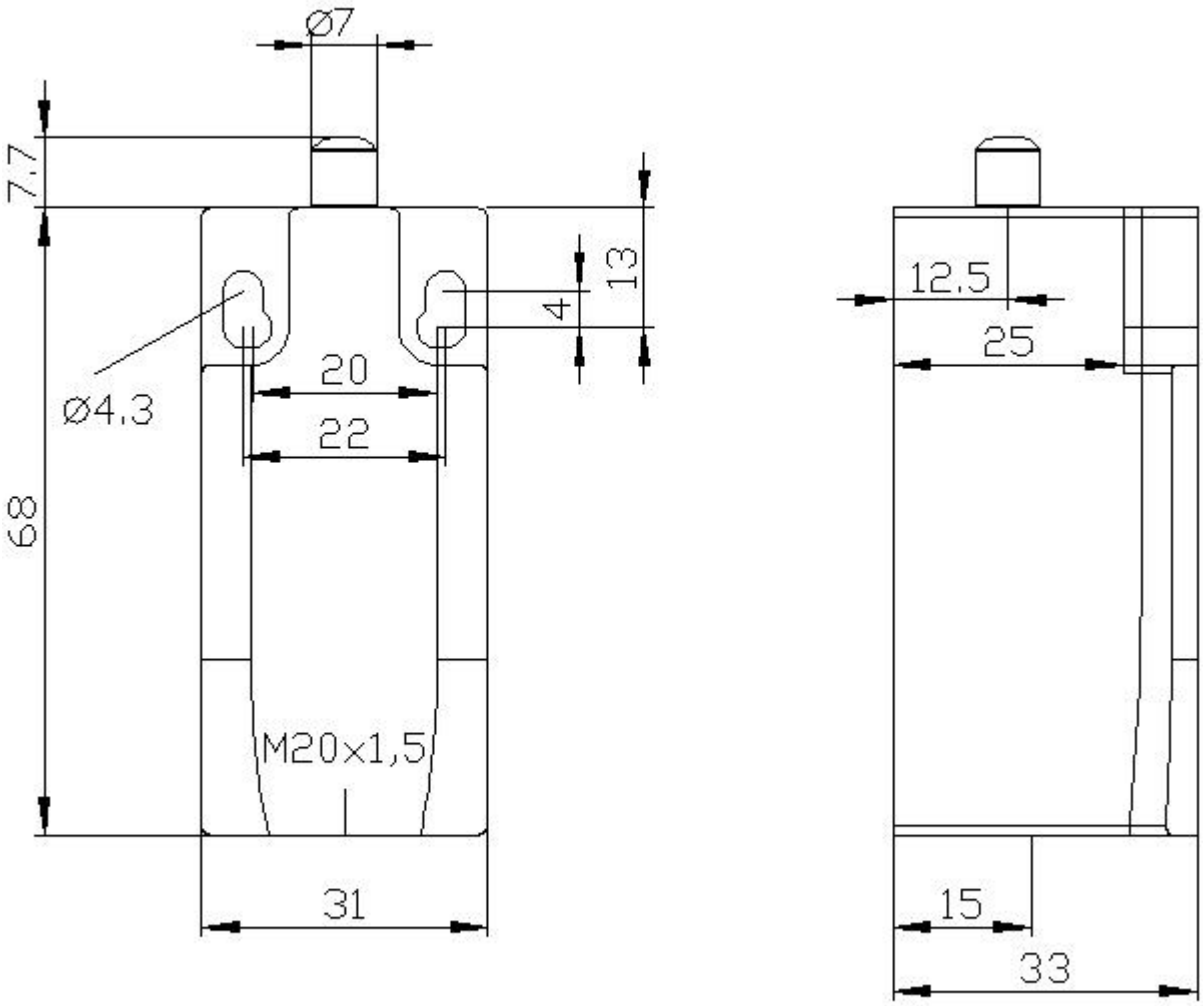
CSA CCC UL KC EAC EAC

Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	other
Type Examination Certificate	CE EG-Konf.	Miscellaneous	Type Test Certificates/Test Report	Confirmation

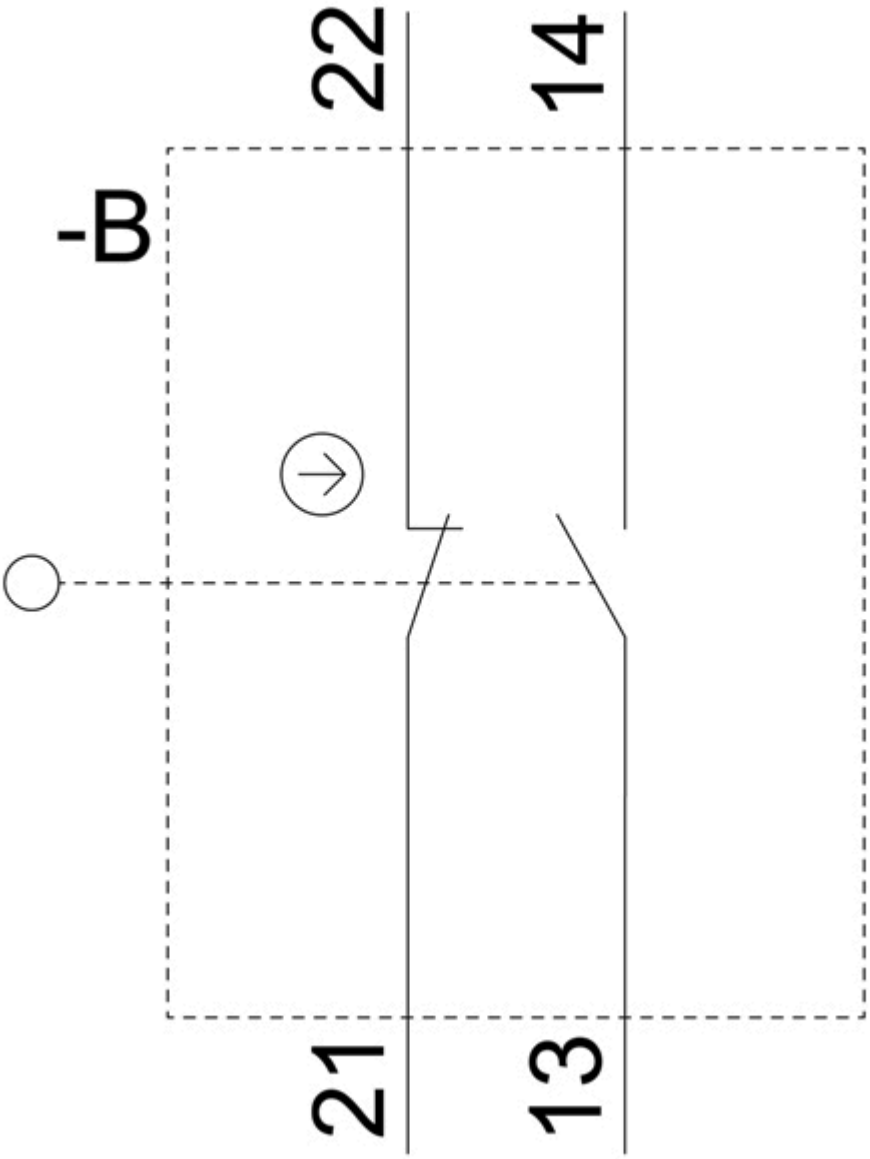
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Further information

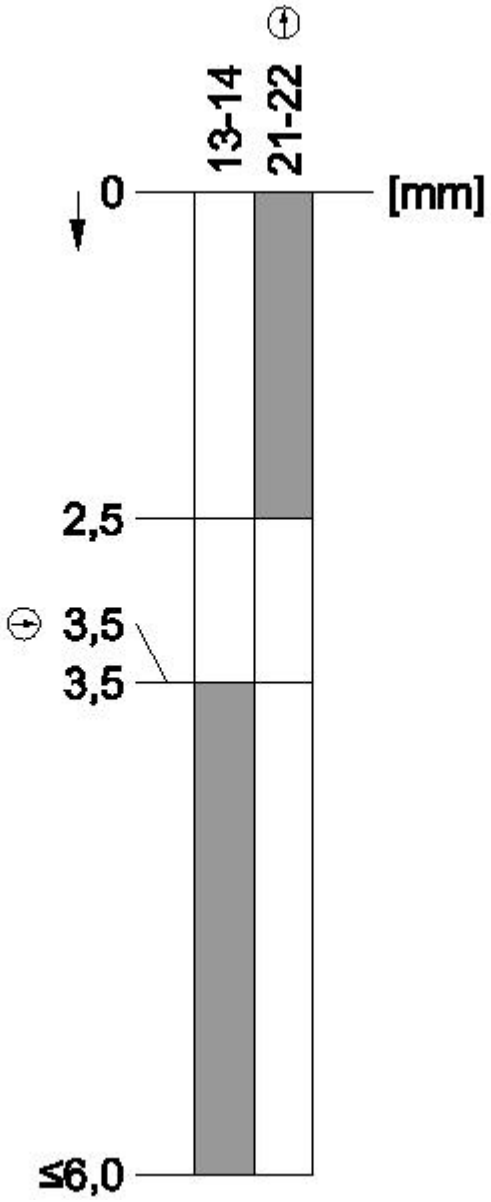
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