

SIRIUS position switch Plastic enclosure according to EN 50041, 50 mm Device connection 2x (M20 x 1.5) 1 NO/1 NC quick action contacts with spring rod 142.5 mm long Red LED, 24 V, visible all-round M12 connector 4-pole with two pipe clamps 25-28 mm as clamp fastening customized



Product brand name	SIRIUS
Product designation	Mechanical position switches
Product type designation	3SE5
Manufacturer's article number	
• of the supplied basic switch	3SE5232-0HC05
• of the supplied actuator head for position switches	3SE5000-0AR01
accessories belonging to	2 pipe clips
Suitability for use safety switch	No

General technical data

Product function	
• positive opening	No
Insulation voltage	
• rated value	250 V
Degree of pollution	class 3
Surge voltage resistance rated value	0.8 kV
Protection class IP	IP65/IP67
Shock resistance	
• acc. to IEC 60068-2-27	30 g / 11 ms

Vibration resistance	
• acc. to IEC 60068-2-6	0.35 mm/5g
Mechanical service life (switching cycles)	
• typical	10 000 000
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	4 A
Material of the enclosure of the switch head	plastic
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	4 A; for a short-circuit current smaller than 400 A
Continuous current of the DIAZED fuse link gG	4 A
Active principle	mechanical
Repeat accuracy	0.05 mm
Minimum actuating torque in activation direction	0.25 N·m
Length of the sensor	195.5 mm
Width of the sensor	50 mm
Design of the switching contact	mechanical
Operating frequency rated value	50 ... 60 Hz
Number of NC contacts for auxiliary contacts	1
Number of NO contacts for auxiliary contacts	1
Number of CO contacts for auxiliary contacts	1
Operating current at DC-13	
• at 24 V rated value	3 A
Design of the interface for safety-related communication	without

Enclosure

Design of the housing	block, wide
Material of the enclosure	plastic
Coating of the enclosure	Other types
Design of the housing acc. to standard	No
Material of cable sheath	PVC

Drive Head

Design of the operating mechanism	Spring rod, compl. Length = 142.5 mm (spring 50 mm + plastic plunger 50 mm)
Standard-compliant actuator head	EN 50047
Circuit principle	snap-action contacts
Number of switching contacts safety-related	0

Connections/Terminals

Type of electrical connection	screw-type terminals
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Cable entry type	cable with M12 connector
Design of plug-in connection	cable with M12 connector, 4-pole: pin 1= terminal 21, pin 2= LED/+ , pin 3= LED/- , pin 4= 22

Communication/ Protocol	
Design of the interface	without

Ambient conditions	
Ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +90 °C
Explosion protection category for dust	none

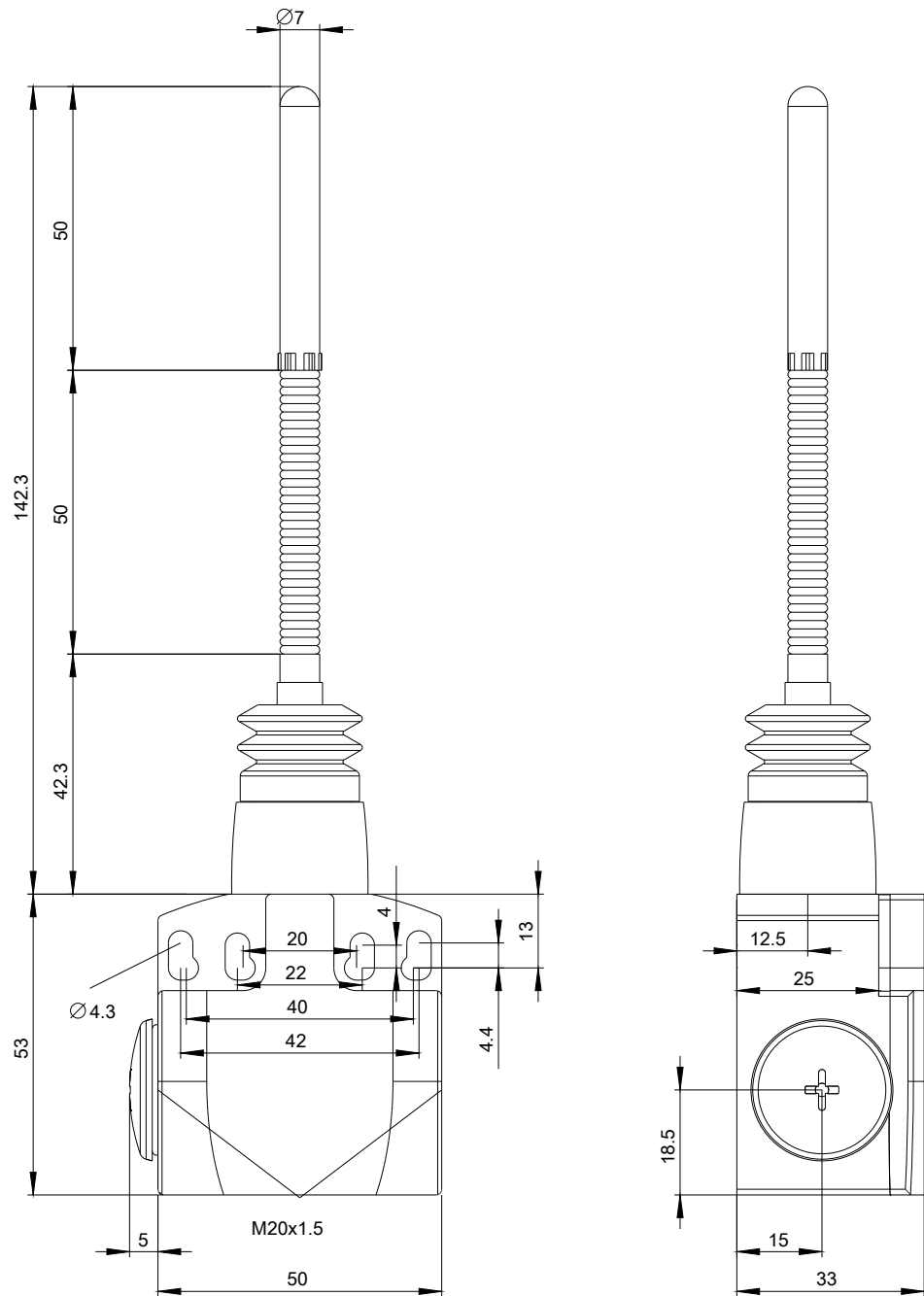
Supply voltage	
Type of voltage of the supply voltage	
• of the optional LED indicator	DC
Supply voltage	
• of LED	24 V

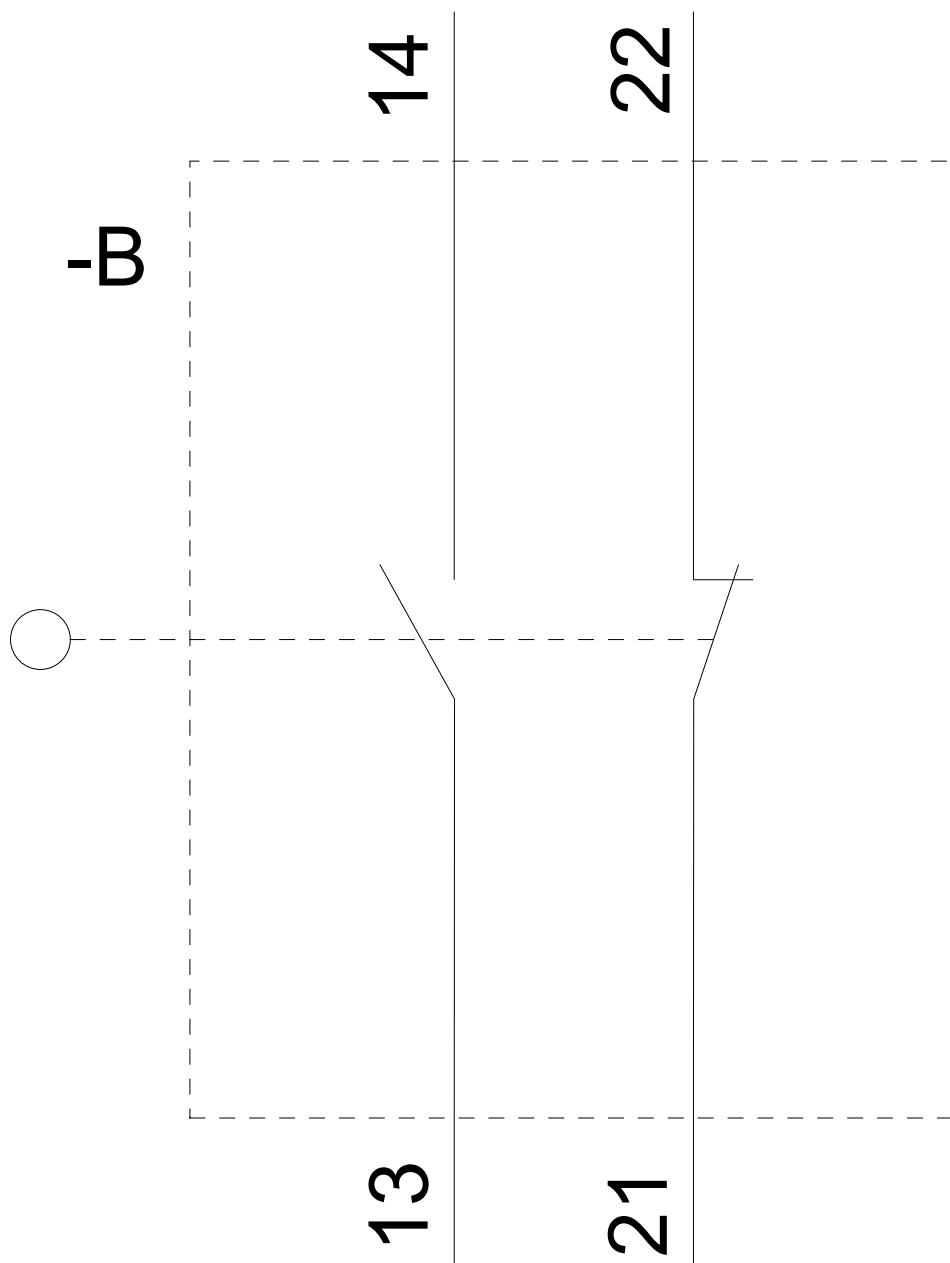
Installation/ mounting/ dimensions	
Mounting position	any
Mounting type	screw fixing

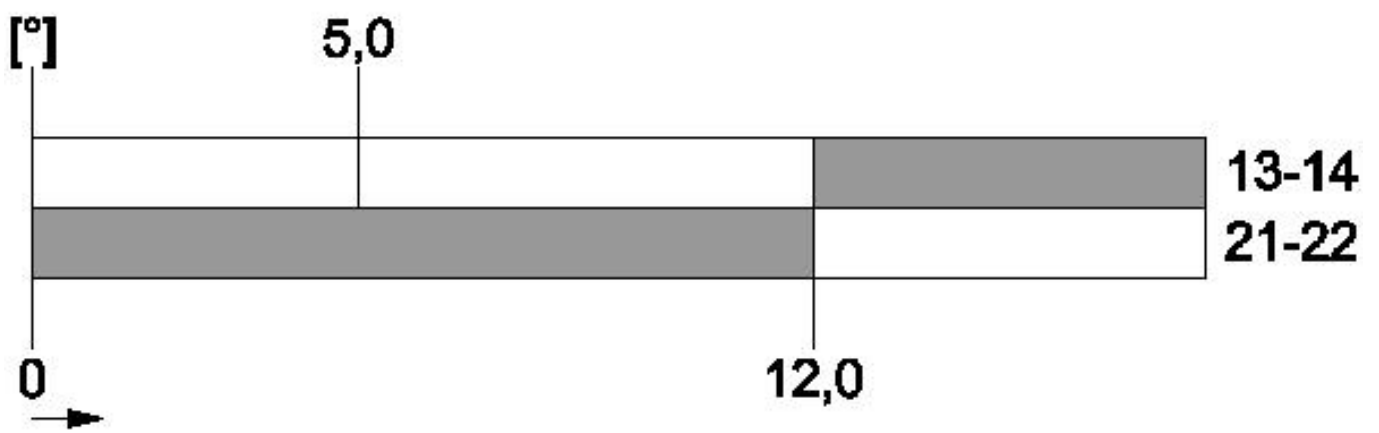
Certificates/approvals		
General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC	 CSA	 UL
		Type Examination Certificate  EG-Konf.

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)	
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5242-0HR01-1AK4	
Cax online generator	
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5242-0HR01-1AK4	







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