

Position switch Plastic enclosure, 50 mm according to EN 50047
 Device connection 2 x (M20 x 1.5) 1 NO/2 NC quick action contacts
 LED, yellow/green, 24 V DC Teflon plunger



Product brand name	SIRIUS
Product designation	Mechanical position switches
Product type designation	3SE5
Manufacturer's article number	<ul style="list-style-type: none"> • of the supplied basic switch 3SE5242-1LC05 • of the supplied switching contacts 3SE5000-0LA00 • of the supplied empty enclosure with cover 3SE5242-0AC05
Suitability for use safety switch	Yes

General technical data	
Product function	
• positive opening	Yes
Degree of pollution	class 3
Surge voltage resistance rated value	0.8 kV
Protection class IP	IP66/IP67
Shock resistance	
• acc. to IEC 60068-2-27	30 g / 11 ms
Mechanical service life (switching cycles)	
• typical	15 000 000
Electrical endurance (switching cycles)	

<ul style="list-style-type: none"> • 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 DIN EN 81346-2	B
Reference code acc. to DIN EN 61346-2	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 activation direction	20 N
Length of the sensor	60.7 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	2
Number of NO contacts for auxiliary contacts	1
Operating current at DC-13	
<ul style="list-style-type: none"> • at 24 V rated value 	3 A

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

Drive Head

Design of the operating mechanism	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	snap-action contacts
Number of switching contacts safety-related	2

Connections/ 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)
<ul style="list-style-type: none"> • at AWG conductors solid 	1x (20 ... 16), 2x (20 ... 18)

• at AWG conductors stranded	1x (20 ... 16), 2x (20 ... 18)
Cable entry type	2 x (M20 x 1.5)
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

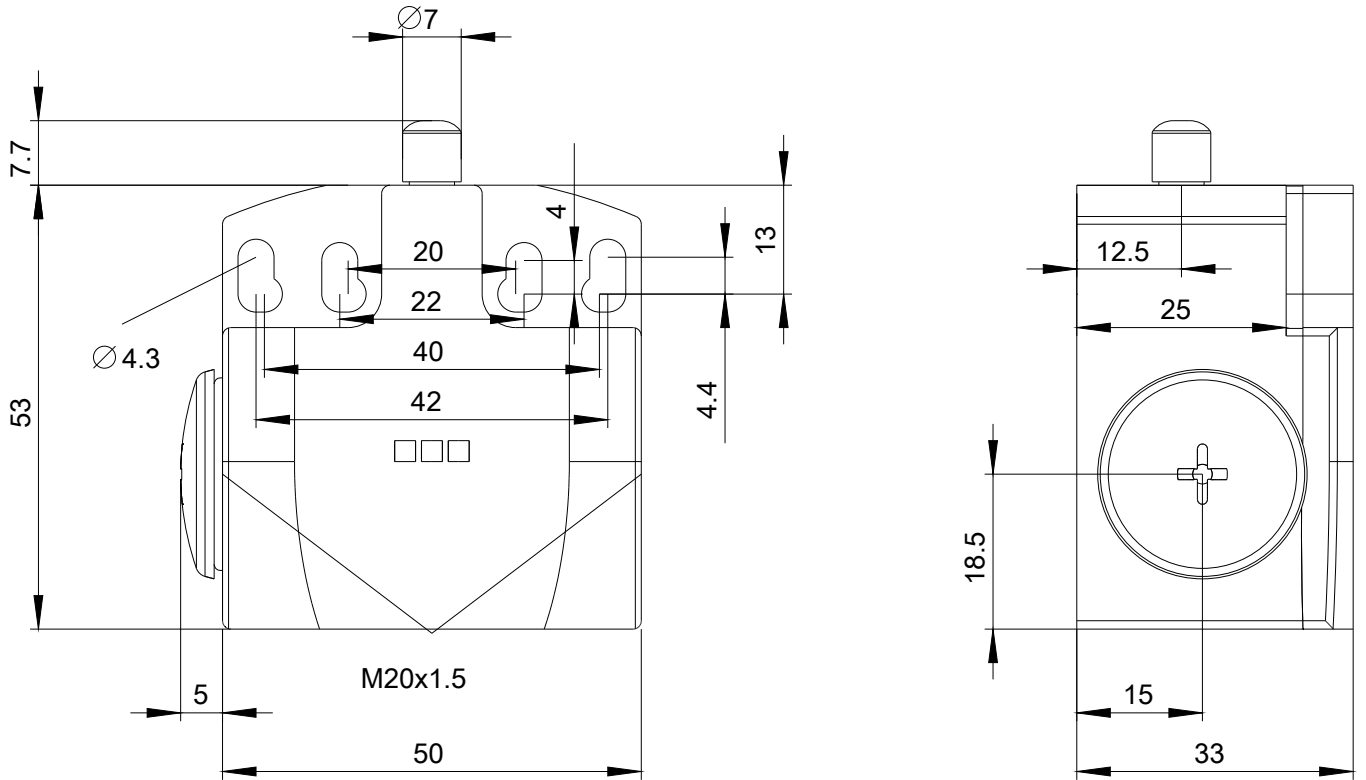
Certificates/ approvals

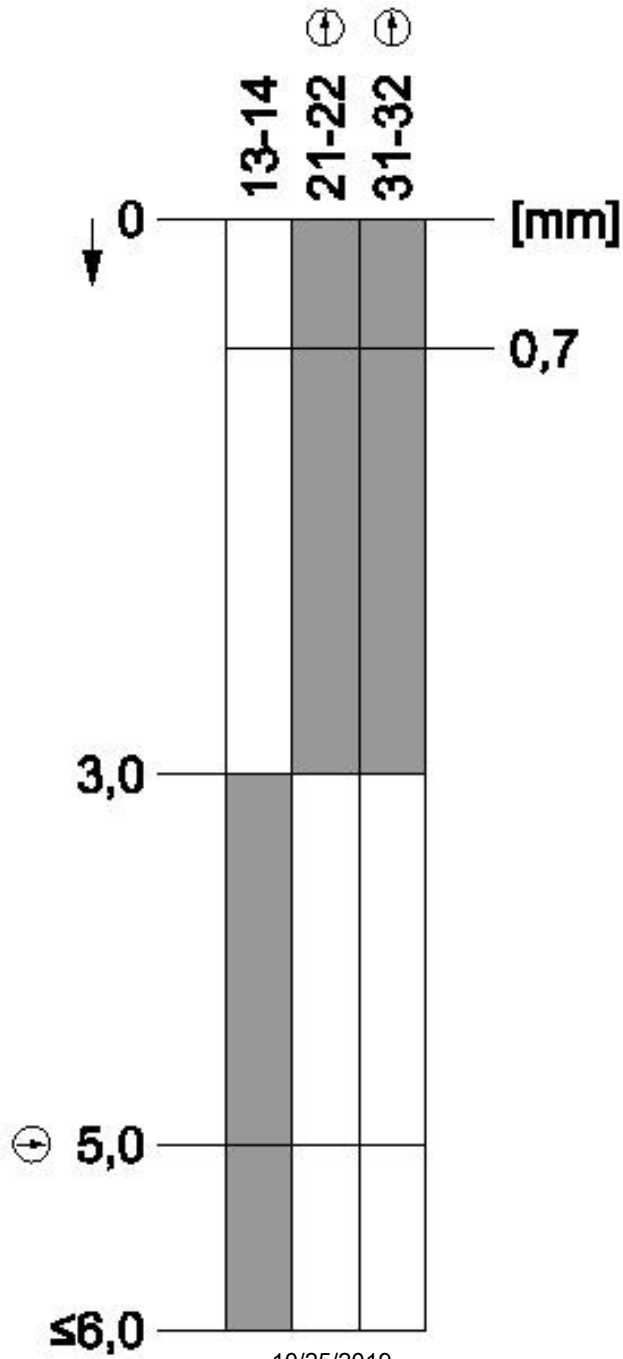
General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC	 UL	 EG-Konf.
 CSA		Type Examination Certificate

Declaration of Conformity	Test Certificates	other
Miscellaneous	Type Test Certificates/Test Report	Confirmation

Further information

- Information- and Downloadcenter (Catalogs, Brochures,...)**
www.siemens.com/sirius/catalogs
- Industry Mall (Online ordering system)**
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5242-1LC05>
- Cax online generator**
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5242-1LC05>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5242-1LC05>





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