



Position switch Metal enclosure 31 mm according to EN 50047 1
NO/1 NC quick action contacts with M12 connector, 5-pole, fixed with
2 LEDs, yellow/green, 24 V DC with plunger Pin assignment: Pin
1=21, Pin 2=22 Pin 3=13 + LED green, Pin 4=14 and LED yellow, Pin
5=ground LED

Product brand name	SIRIUS
Product designation	Mechanical position switches
Product type designation	3SE5
Manufacturer's article number	
• of the supplied basic switch	3SE5214-1CC05-1AF3
• of the supplied switching contacts	3SE5000-0CA00
Suitability for use safety switch	Yes

General technical data	
Product function	
• positive opening	Yes
Insulation voltage	
• rated value	125 V
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
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 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	metal
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 force in activation direction	20 N
Length of the sensor	75.7 mm
Width of the sensor	31 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, narrow
Material of the enclosure	metal
Coating of the enclosure	cathodic immersion coating
Design of the housing acc. to standard	Yes

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	1

Connections/Terminals

Type of electrical connection	M12 plug, fixed
Cable entry type	1x (M20 x 1.5)
Design of plug-in connection	M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14, Pin 5 = ground LED

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



[Type Examination Certificate](#)



Test Certificates	other
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[Type Test Certificates/Test Report](#)

[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=3SE5214-1CC05-1AF3>

Cax online generator

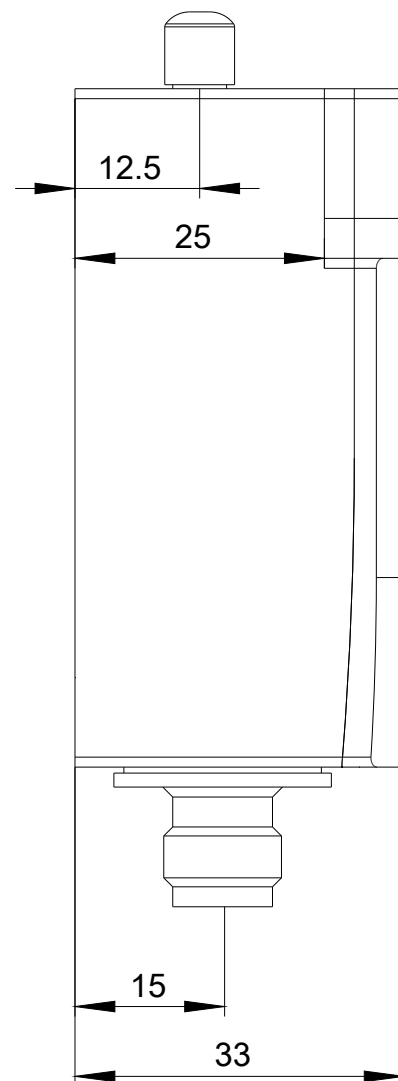
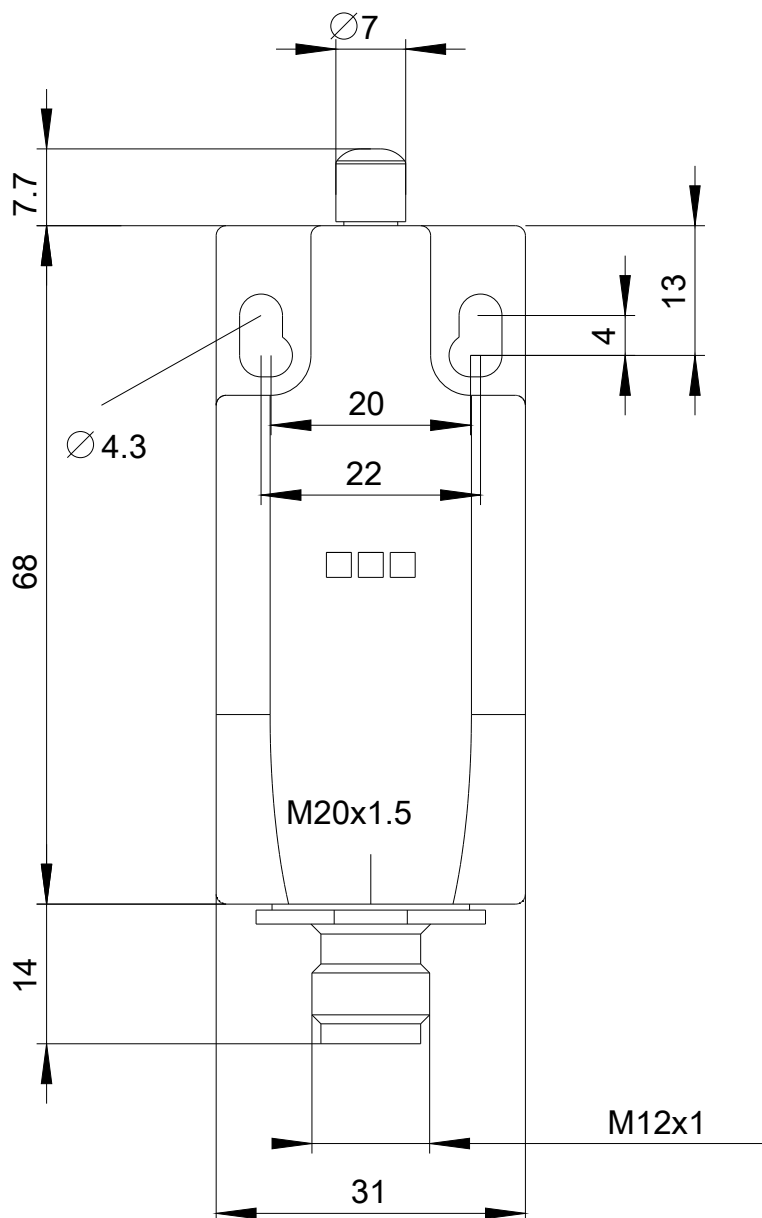
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5214-1CC05-1AF3>

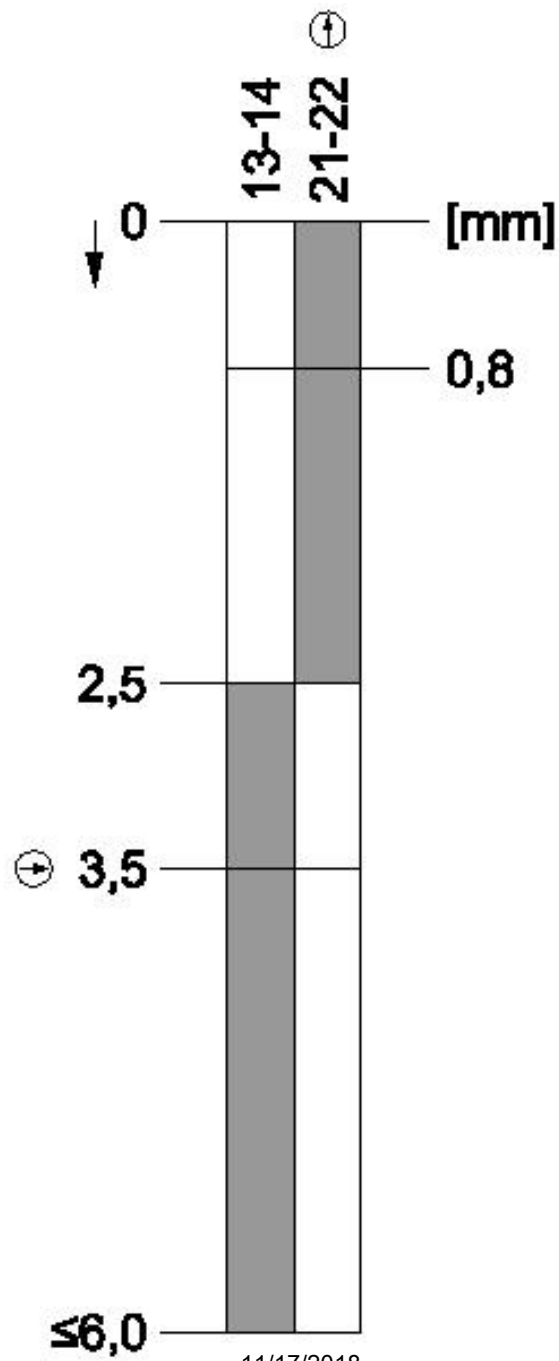
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5214-1CC05-1AF3>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5214-1CC05-1AF3&lang=en





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