



SAFETY POS. SWITCH W. SEPARATE ACTUATOR, METAL ENCLOSURE, 31MM; 1X(M20X1.5) SLOW-ACTION CONTACTS 1NO+1NC, 2XLEDS YELLOW/GREEN 24V DC 5 APPROACH DIRECTIONS, THE SUITABLE SEPARATE ACTUATOR 3SE5000-0AV0. HAS TO ORDERED SEPARATELY

Product designation	position switch with separate actuator
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General technical data:

Product function		
• positive opening		Yes
Insulation voltage		
• Rated value	V	400
Degree of pollution		class 3
Shock resistance		30g / 11 ms
Vibration resistance		0.35 mm / 5g
Surge voltage resistance Rated value	kV	0.8
Mechanical service life (switching cycles)		
• typical		1 000 000
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		1 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026		6 000
Thermal current	A	6
Material of the enclosure of the switch head		plastic
Protection class IP		IP66/IP67
Equipment marking		
• acc. to DIN EN 61346-2		B
• acc. to DIN EN 81346-2		B

Active principle		mechanical
Repeat accuracy	mm	0.05
Explosion protection category for dust		none
Explosion protection category for gas		none
Minimum actuating force in activation direction	N	20
Operating current at AC-15		
• at 230 V Rated value	A	3
Operating current		
• at DC-13 at 125 V Rated value	A	0.55
Operating current		
• at DC-13		
— at 24 V Rated value	A	3

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		5 directions of approach
Standard-compliant actuator head		EN 50047
Design of the switching function		positive opening

Connections/ Terminals:

Type of electrical connection		screw-type terminals
Type of connectable conductor cross-section		
• solid		1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• finely stranded with core end processing		1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• finely stranded without core end processing		1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• for AWG conductors		
— solid		1x (20 ... 16), 2x (20 ... 18)
— stranded		1x (20 ... 16), 2x (20 ... 18)

Mechanical data:

Cable entry type		1x (M20 x 1.5)
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Communication/ Protocol:

Design of the interface		without
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Ambient conditions:

Ambient temperature		
• during operation	°C	-25 ... +60
• during storage	°C	-40 ... +90

Supply voltage:

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

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

Certificates/ approvals:

General Product Approval	Declaration of Conformity	Test Certificates	other
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[Special Test Certificate](#)

[Confirmation](#)

CSA

UL

EG-Konf.

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

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

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

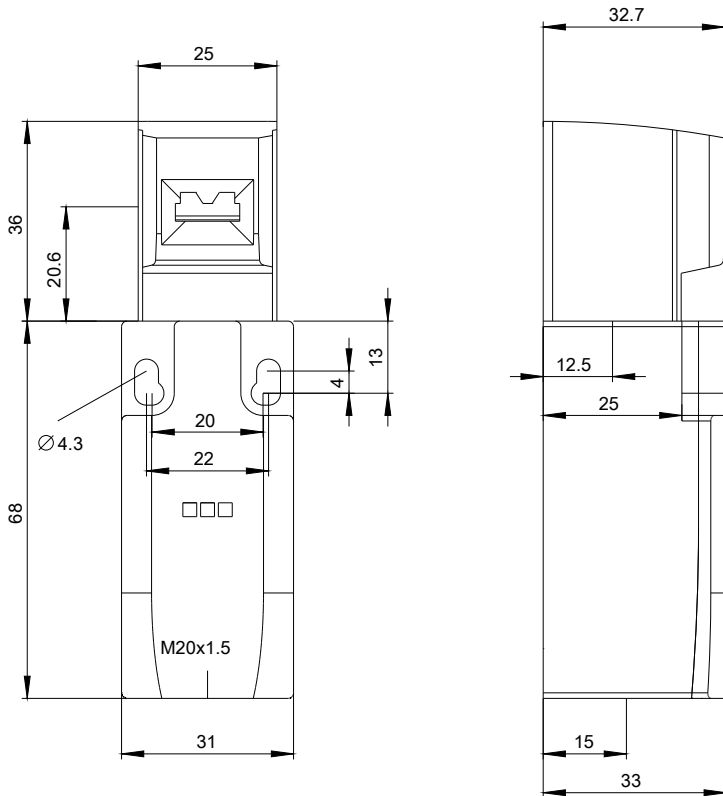
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE52121RV40>

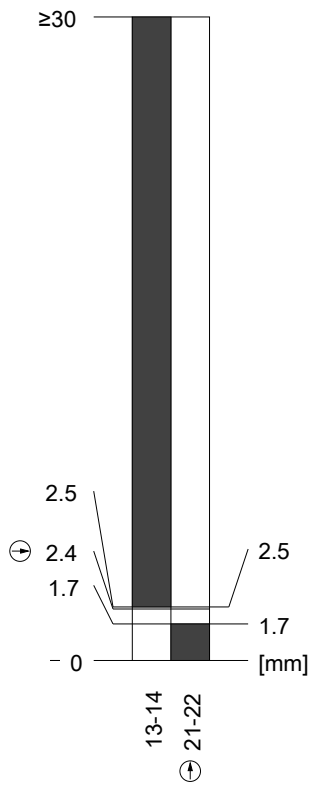
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3SE52121RV40/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE52121RV40&lang=en





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