



SAFETY POS. SWITCH W. SEPARATE ACTUATOR, METAL HOUSING, 40MM, ACC. TO EN50041
 1NO/1NC SLOW-ACTION CONTACTS W. M12 CONNECTOR, 5-POLE, FIXED PIN ASSIGNMENT: PIN1=21, PIN2=22, PIN3=13, PIN4=14, PIN5=PE 5 DIRECTIONS OF APPROACH

Product designation	position switch with separate actuator
Manufacturer article number <ul style="list-style-type: none"> of the optional actuators 	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with horizontal mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy-duty actuator, 3SE5000-0AW11 plastic actuator, 3SE5000-0AW21 stainless steel actuator

General technical data:		
Product function		
<ul style="list-style-type: none"> positive opening 		Yes
Insulation voltage		
<ul style="list-style-type: none"> Rated value 	V	125
Degree of pollution		class 3
Shock resistance		30g / 11 ms
Vibration resistance		0.35 mm / 5g
Surge voltage resistance Rated value	kV	1.5
Mechanical service life (switching cycles)		
<ul style="list-style-type: none"> typical 		1 000 000
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	4
Material of the enclosure of the switch head		metal
Protection class IP		IP66/IP67
Equipment marking		B
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • 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		
<ul style="list-style-type: none"> • at DC-13 at 125 V Rated value 	A	0.55
Operating current		
<ul style="list-style-type: none"> • 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
Design of the switching function		positive opening

Connections/ Terminals:		
Type of electrical connection		M12 plug, fixed

Mechanical data:		
Cable entry type		M12 plug
Design of plug-in connection		M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14, Pin 5 = PU

Communication/ Protocol:		
Design of the interface		without

Ambient conditions:		
Ambient temperature		
<ul style="list-style-type: none"> • during operation 	°C	-25 ... +85
<ul style="list-style-type: none"> • during storage 	°C	-40 ... +90

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

Certificates/ approvals:		
---------------------------------	--	--



CCC



CSA



UL



EG-Konf.

[Confirmation](#)

Further information

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

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

Industry Mall (Online ordering system)

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

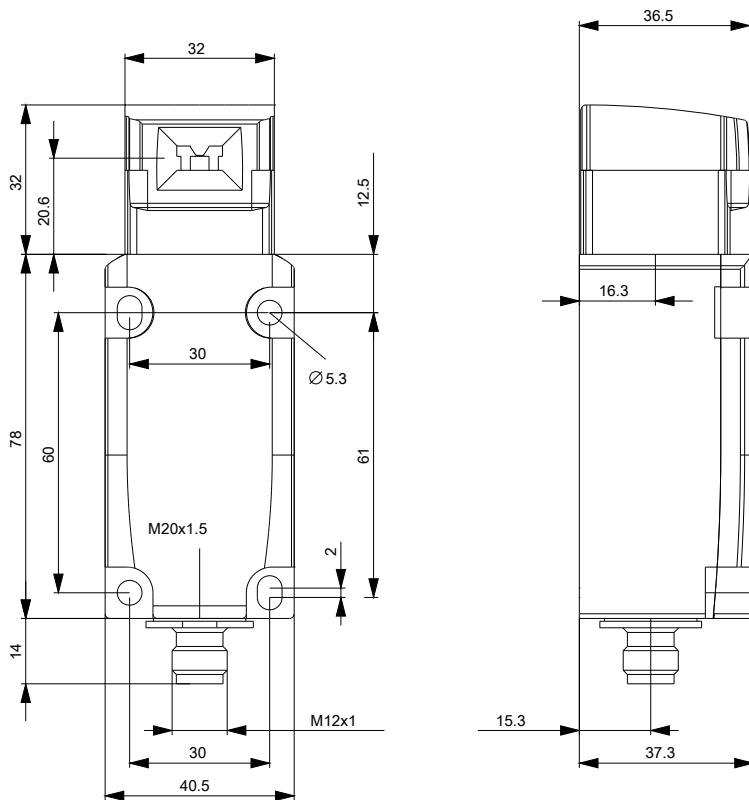
Cax online generator

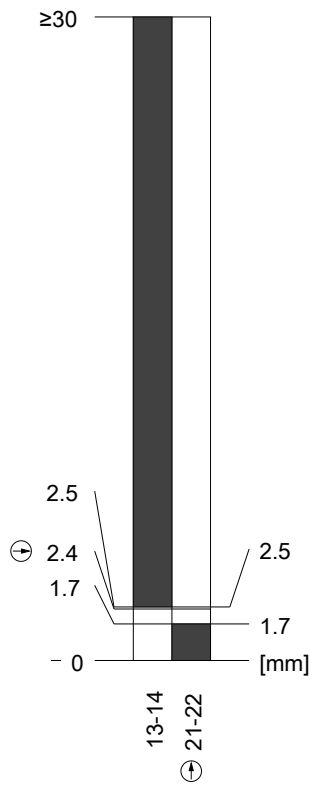
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE51140RV101AC5>

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

<http://support.automation.siemens.com/WW/view/en/3SE51140RV101AC5/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=3SE51140RV101AC5&lang=en




last modified:

09.03.2015