



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

General technical details:

product designation		position switch with separate actuator
Explosion protection category for dust		none
Insulation voltage		
• rated value	V	125
Degree of pollution		class 3
Thermal current	A	4
Operating current		
• at AC-15		
• at 24 V / rated value	A	4
• at 125 V / rated value	A	4
• at DC-13		
• at 24 V / rated value	A	3
• at 125 V / rated value	A	0.55
Continuous current		
• of the slow DIAZED fuse link	A	4
• of the quick DIAZED fuse link	A	4
• of the C characteristic circuit breaker	A	1
Mechanical operating cycles as operating time		
• typical		1,000,000

Electrical operating cycles as operating time • 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
Repeat accuracy	mm	0.05
Design of the contact element		slow-action contacts
Number of NC contacts • for auxiliary contacts		1
Design of the switching function		positive opening
Number of NO contacts • for auxiliary contacts		1
Resistance against vibration		0.35 mm / 5g
Resistance against shock		30g / 11 ms
Ambient temperature • during operating • during storage	°C °C	-25 ... +85 -40 ... +90
Product specification • for dimensions		EN 50041
Width of the sensor	mm	40
Material • of the enclosure		metal
Material / of the housing / of the switch head		metal
Design of the operating mechanism		5 directions of approach
Actuating speed	mm/s / m/s	0.4 ... 0.5
Minimum actuating force / in activation direction	N	20
Protection class IP		IP66/IP67
mounting position		any
Cable gland version		M12 plug
Design of the electrical connection		M12 plug, fixed
Design of the plug-in connection		M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14, Pin 5 = PU
Manufacturer article number • 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
Item designation		

- according to DIN 40719 extendable after IEC 204-2
- according to DIN EN 61346-2

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B

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery

Declaration of Conformity



CCC



GOST



UL



VDE



VDE



EG-Konf.

other

[Confirmation](#)

Further information:

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

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

Industry Mall (Online ordering system)

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

CAX-Online-Generator

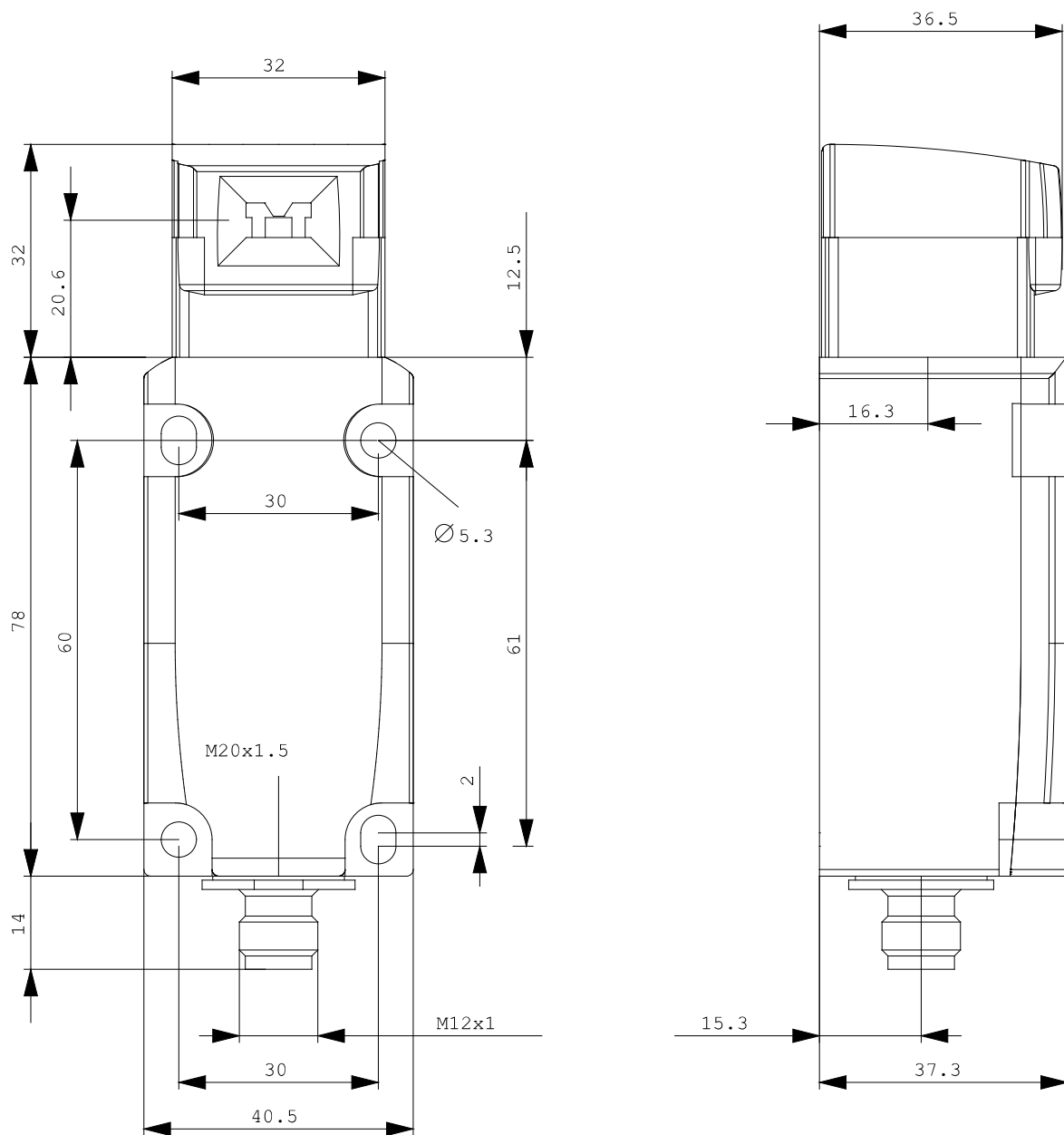
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SE5114-0RV10-1AC5/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5114-0RV10-1AC5



last change:

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