



SAFETY POS. SWITCH W. SEPARATE ACTUATOR, METAL HOUSING 40MM, TO EN50041 1NO/1NC SLOW-ACTION CONTACTS W. M12 CONNEX., 5-POLE, FIXED W. 2 LEDS, YELLOW/GREEN, 24V DC, 5 DIRECTIONS OF APPROACH PIN ASSIGNMENT: PIN1=21, PIN2=22, PIN3=14 AND LED GREEN, PIN4=13 AND LED YELLOW, PIN5=GROUND LED

### General technical details:

<b>product designation</b>		position switch with separate actuator
<b>Type of voltage / of the supply voltage</b> • of the optional LED display		DC
<b>Insulation voltage</b> • rated value	V	125
<b>Degree of pollution</b>		class 3
<b>Thermal current</b>	A	4
<b>Operating current</b> • at DC-13 • at 24 V / rated value	A	3
<b>Continuous current</b> • of the slow DIAZED fuse link • of the quick DIAZED fuse link • of the C characteristic circuit breaker	A A A	4 4 1
<b>Mechanical operating cycles as operating time</b> • typical		1,000,000
<b>Electrical operating cycles as operating time</b> • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical		1,000,000

<b>Electrical operating cycles in one hour</b> • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026		6,000
<b>Repeat accuracy</b>	mm	0.05
<b>Design of the contact element</b>		slow-action contacts
<b>Number of NC contacts</b> • for auxiliary contacts		1
<b>Design of the switching function</b>		positive opening
<b>Number of NO contacts</b> • for auxiliary contacts		1
<b>Resistance against vibration</b>		0.35 mm / 5g
<b>Resistance against shock</b>		30g / 11 ms
<b>Ambient temperature</b> • during operating • during storage	°C °C	-25 ... 70 -40 ... 90
<b>Product specification</b> • for dimensions		EN 50041
<b>Width of the sensor</b>	mm	40
<b>material</b> • of the housing		metal
<b>Material / of the housing / of the switch head</b>		metal
<b>Design of the operating mechanism</b>		5 directions of approach
<b>Actuating speed</b>	mm/s / m/s	0.4 ... 0.5
<b>Minimum actuating force / in activation direction</b>	N	20
<b>Protection class IP</b>		IP66/IP67
<b>Built in orientation</b>		any
<b>Cable gland version</b>		M12 plug
<b>Design of the electrical connection</b>		M12 plug, fixed
<b>Design of the plug-in connection</b>		M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14, Pin 5 = PU
<b>Item designation</b> • according to DIN 40719 extendable after IEC 204-2 • according to DIN EN 61346-2		S B

#### Certificates/approvals:

General Product Approval

Functional Safety /  
Safety of  
Machinery

other



CQC

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UL



VDE

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[Manufacturer](#)

#### 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

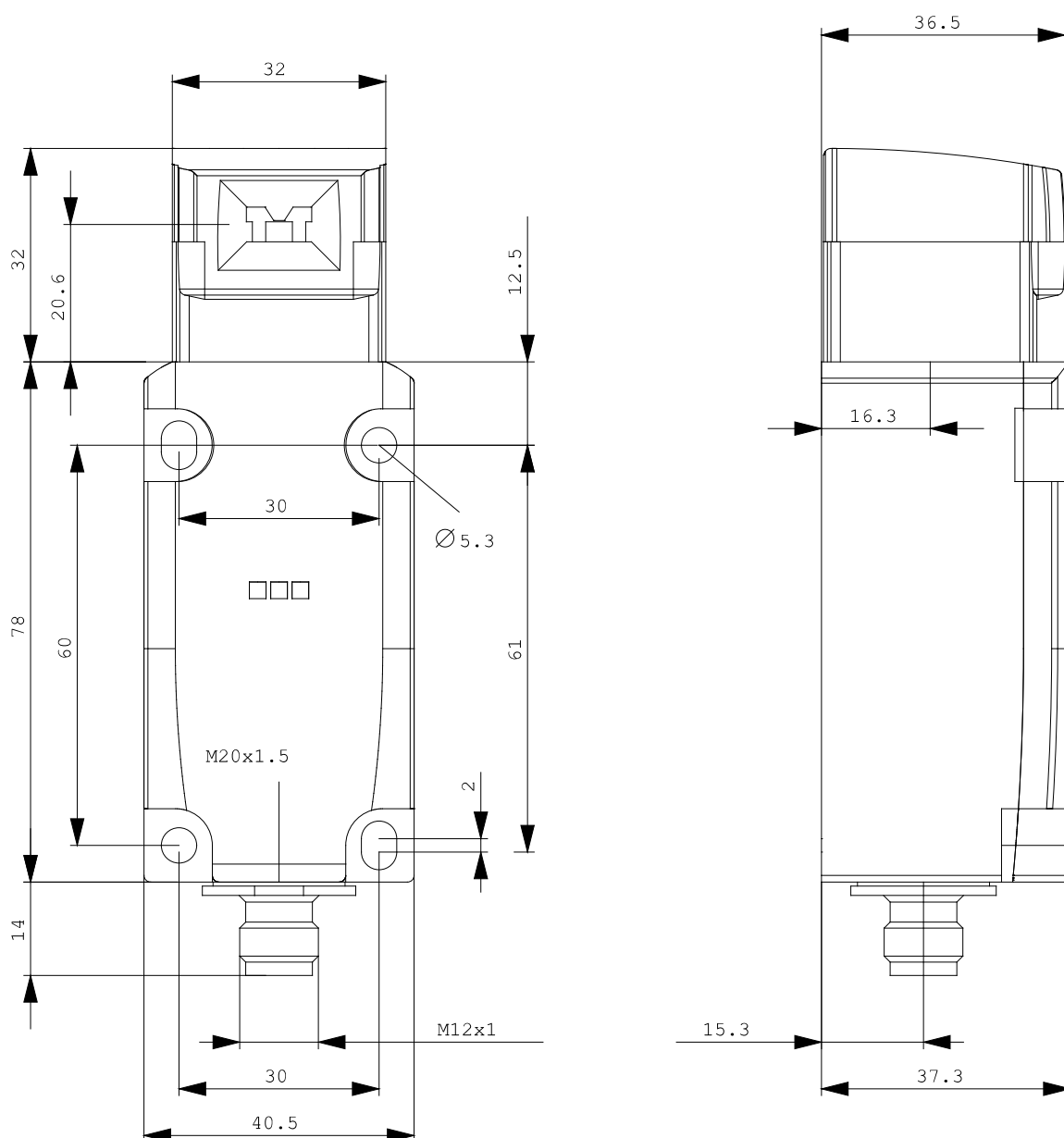
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SE5114-1RV10-1AF3/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5114-1RV10-1AF3](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5114-1RV10-1AF3)



last change:

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