



BASIC SWITCH FOR POSITION SWITCH 3SE51, METAL HOUSING 40MM TO EN50041,1NO/1NC SLOW-ACTION CONTACTS W. M12 CONNECTOR, 5-POLE, FIXED W. 2 LEDS, YELLOW/GREEN, 24V DC, W/O ACTUATOR HEAD PIN ASSIGNMENT: PIN1=21, PIN2=22, PIN3=14 AND LED GREEN, PIN4=13 AND LED YELLOW, PIN5=GROUND LED

Manufacturer article number • of the basic unit included in the scope of supply		3SE5114-1BA00-1AF3
General technical data:		
Product designation		basic switch for standard position switches
Explosion protection category for dust		none
Type of voltage / of the supply voltage • of the optional LED indicator		DC
Insulation voltage • rated value	V	125
Degree of pollution		class 3
Thermal current	A	4
Operating current • at DC-13 • at 24 V / rated value	A	3
Continuous current • of the slow DIAZED fuse link • of the quick DIAZED fuse link • of the C characteristic circuit breaker	A	4
	A	4
	A	1
Mechanical operating cycles as operating time • typical		15,000,000

Electrical operating cycles as operating time • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical		10,000,000
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 with appropriate positive opening actuator head
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 ... +60 -40 ... +90
Product specification • for dimensions		EN 50041
Width of the sensor	mm	40
Material • of the enclosure		metal
Design of the operating mechanism		without
Actuating speed	mm/s / m/s	0.4 ... 2.5
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/LED green, Pin 4 = 14/LED yellow, Pin 5 = ground LED
Reference code • according to DIN 40719 extended according to IEC 204-2 • according to DIN EN 61346-2		S B

Certificates/ approvals:

General Product Approval				Declaration of Conformity	Test Certificates
 CCC	 CSA		 UL	 EG-Konf.	Special Test Certificate
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/industrymall>

Cax online generator

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

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

<http://support.automation.siemens.com/WW/view/en/3SE5114-1BA00-1AF3/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5114-1BA00-1AF3

