



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

Product designation		basic switch for standard position switches
Manufacturer article number		
<ul style="list-style-type: none"> • of the supplied basic switch • of the supplied switching contacts 		3SE5114-1BA00-1AF3 3SE5000-0BA00

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	0.8
Mechanical service life (switching cycles)		
<ul style="list-style-type: none"> • typical 		15 000 000
Electrical endurance (switching cycles) 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
Thermal current	A	4
Protection class IP		IP66/IP67
Equipment marking		
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 		B 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 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		without
Design of the switching function		Positive opening with appropriate positive opening actuator head

Connections/ Terminals:

Type of electrical connection		M12 plug, fixed
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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/LED green, Pin 4 = 14/LED yellow, Pin 5 = ground LED

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

Installation/ mounting/ dimensions:

mounting position		any
Mounting type		screw fixing

Certificates/ approvals:

last modified:

09.03.2015