



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
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		

<ul style="list-style-type: none"> with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 		1,000,000
Electrical operating cycles in one hour <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> for auxiliary contacts 		1
Design of the switching function		positive opening
Number of NO contacts <ul style="list-style-type: none"> for auxiliary contacts 		1
Resistance against vibration		0.35 mm / 5g
Resistance against shock		30g / 11 ms
Ambient temperature <ul style="list-style-type: none"> during operating during storage 	°C	-25 ... +85
	°C	-40 ... +90
Product specification <ul style="list-style-type: none"> for dimensions 		EN 50041
Width of the sensor	mm	40
material <ul style="list-style-type: none"> of the housing 		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
Built in orientation		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
Item designation <ul style="list-style-type: none"> 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

Declaration of
Conformity



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/WWW/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

