



SIRIUS POSITION SWITCH METAL 31MM,
ACC. TO EN50047 INCREASED CORROSION
PROTECTION,
DEVICE CONNECTION 1X (M20X1.5) 1NO/ 1NC SNAP-
ACTION CONTACTS PART-TURN ACTUATOR
RIGHT/LEFT ADJUSTABLE,
WITH METAL LEVER AND STAINLESS STEEL ROLLER
19MM FUNCTIONAL AT -40 DEGREES,
SHOCK AND VIBRATION TEST ACC. TO EN61373,
CATEGORY 1B

Manufacturer article number		
• of the basic unit included in the scope of supply		3SE5212-0CC05-1AJ0
• of the actuator head for position switches included in the scope of supply		3SE5000-0AH00-1AJ0
• of the operating lever included in the scope of supply		3SE5000-0AA22-1AJ0

General technical data:

Product designation		standard position switch
Product feature		expanded temperature range, e.g. railway application
Explosion protection category for dust		none
Insulation voltage		
• rated value	V	400
Degree of pollution		class 3
Thermal current	A	6
Operating current		
• at AC-15		
• at 24 V / rated value	A	6
• at 125 V / rated value	A	8
• at 230 V / rated value	A	6
• at 400 V / rated value	A	4
• at DC-13		
• at 24 V / rated value	A	6

• at 125 V / rated value • at 230 V / rated value • at 400 V / rated value	A	0.55
	A	0.27
	A	0.1
Continuous current		
• of the slow DIAZED fuse link • of the quick DIAZED fuse link • of the C characteristic circuit breaker	A	6
	A	10
	A	2
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 • at AC-15 / at 230 V / typical		10,000,000
		100,000
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		snap-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		
• for railway applications / according to DIN EN 61373		0.35 mm / 5g Category 1, Class B
Resistance against shock		
• for railway applications / according to DIN EN 61373		30g / 11 ms Category 1, Class B
Ambient temperature		
• during operating • during storage	°C	-40 ... +85
	°C	-40 ... +90
Product specification		
• for dimensions		EN 50047
Width of the sensor	mm	31
Material		
• of the enclosure		metal
Material / of the enclosure / of the switch head		metal
Design of the operating mechanism		Metal lever, 21 mm long, straight, stainless steel roller 19 mm
Actuating speed	mm/s / m/s	0.1 ... 1.5
Protection class IP		IP66/IP67

mounting position		any
Cable gland version		1x (M20 x 1.5)
Design of the electrical connection		screw-type terminals
Fire load	kJ	1,700
Reference code		S B
• according to DIN 40719 extended according to IEC 204-2 • according to DIN EN 61346-2		

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/industrial-controls/mall>

Cax online generator

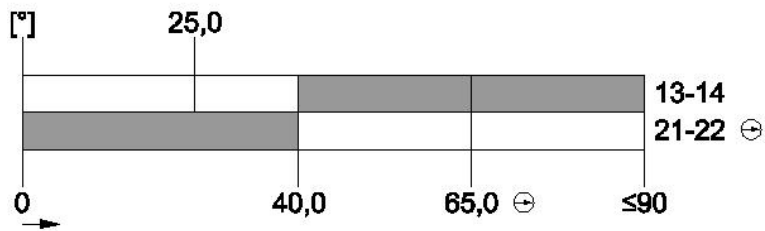
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SE5212-0CH22-1AJ0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5212-0CH22-1AJ0



last change:

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