SIEMENS

Product data sheet 3SE5214-0CC05-1AC5



SIRIUS POSITION SWITCH;
METAL ENCLOSURE TO EN50047,
31MM 1NO/1NC SNAP-ACTION CONTACTS W. M12
CONNECTOR,
5-POLE PIN ASSIGNMENT: PIN1=21,
PIN2 =22, PIN3=13,PIN4=14,PIN5=PE,
FOR MAX.250V AND 4A, WITH PLUNGER

Manufacturer article number

• of the basic unit included in the scope of supply

3SE5214-0CC05-1AC5

General technical details:		
product designation		standard position switch
Explosion protection category for dust		none
Insulation voltage		
rated value	V	125
Degree of pollution		class 3
Thermal current	Α	4
Operating current		
• at AC-15		
at 24 V / rated value	Α	4
• at 125 V / rated value	Α	4
• at 230 V / rated value	Α	3
• at DC-13		
• at 24 V / rated value	Α	4
• at 125 V / rated value	Α	0.55
• at 230 V / rated value	Α	0.27
Continuous current		
of the slow DIAZED fuse link	А	4

• of the Quckar DIAZED laws link • of the C characteristic circuit breaker • lypical • lypical • log			
Mechanical operating cycles as operating time • typical Electrical operating cycles as operating time • at AC-15 / at 230 V / typical Electrical operating cycles in one hour • with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1025, SRT1026, SRT1036 Repeat accuracy mm 0.05 Design of the contact element Number of NC contacts • for auxillary contacts • for auxi	of the quick DIAZED fuse link	А	4
15,000,000	of the C characteristic circuit breaker	Α	2
Electrical operating cycles as operating time • at AC-15 / at 230 V / typical Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Respirat of NC contacts • for auxiliary contacts • for auxil	Mechanical operating cycles as operating time		
	• typical		15,000,000
Electrical operating cycles in one hour *with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026 Repeat accuracy Design of the contact element Number of NC contacts *for auxiliary contacts *for au	Electrical operating cycles as operating time		
* with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mm 0.05 Design of the contact element Number of NC contacts * for auxiliary contacts	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05 Resign of the contact element Number of NC contacts • for auxillary contacts • during operating • during operating • during storage • "C -25 +85 • during storage • "C -40 +90 Product specification • for dimensions Width of the sensor Material • of the enclosure Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Actuatin	Electrical operating cycles in one hour		
Design of the contact element Number of NC contacts • for auxiliary contacts • for dimperature • during operating • auxiliary contacts • auxiliary contacts • for dimperature • during operating • for dimensions • EN 50047 Width of the sensor mm 31 Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N 20 Protection class IP mounting position any Cable gland version Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 plug, fixed M12 plug, fixed Design of the plug-in connection S 30 / 11 ms 1 ms 4 0 +90 Protection class IP mounting position 4 1 +5 M12 connector, 5-pole; pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S 4 +90 Positive opening 1 auxiliary contacts 1 1 Positive opening 1 auxiliary contacts 1 auxil			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
tor auxiliary contacts Design of the switching function Number of NO contacts tor auxiliary contacts tor auxiliary contacts 1 Resistance against vibration Resistance against shock Ambient temperature during operating during storage ror during storage Product specification for dimensions Width of the sensor Material of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the plug-in connection Pesign of the plug-in connection Mice auxiliary contacts 1 1 1 0.35 mm / 5g 30g / 11 ms Actual my / c 25 +85 40 +90 Product specification The Substitute of the sensor The substitute of the substitute of the switch head Design of the operating mechanism The Substitute of the substitute of the switch direction The Substitute of the substi	Design of the contact element		snap-action contacts
Design of the switching function Number of NO contacts • for auxiliary contacts 1 Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage Product specification • for dimensions Find the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the plug-in connection Pestign of the plug-in connection Pestign to NO Can Surve (M12 plus, fixed) M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2	Number of NC contacts		
Number of NO contacts	for auxiliary contacts		1
* for auxiliary contacts Resistance against vibration Resistance against shock Ambient temperature * during operating * during storage * C * -40 +90 Product specification * for dimensions Width of the sensor Material * of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection Design of the plug-in connection Per led with a connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation * according to DIN 40719 extendable after IEC 204-2 **Output Design of the suitch and so and s	Design of the switching function		positive opening
Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the plug-in connection M12 on M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 Resistance against vibration O. 35 mm / 5g 30g / 11 ms 455 EN 50 - 40 +90 EN 50047 EN 50047 EN 50047 EN 50047 In motal selection 11 (M20 x 1.5) M12 plug, fixed M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2	Number of NO contacts		
Resistance against shock Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection M12 plug, fixed M12 connector, 5-pole: pin 1= terminal 21, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S **C	for auxiliary contacts		1
Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S **C	Resistance against vibration		0.35 mm / 5g
during operating during storage C -25 +85 during storage C -40 +90 Product specification for dimensions EN 50047 Width of the sensor mm 31 Material of the enclosure metal Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position	Resistance against shock		30g / 11 ms
• during storage Product specification • for dimensions EN 50047 Width of the sensor mm 31 Material • of the enclosure metal Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Minimum actuating force / in activation direction N 20 Protection class IP mounting position Cable gland version Design of the electrical connection Design of the plug-in connection M12 connector, 5-pole; pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S Advantage **C -40 +90 -40 +90	Ambient temperature		
Product specification • for dimensions Width of the sensor mm 31 Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection M12 plug, fixed M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	during operating	°C	-25 +85
For dimensions	during storage	°C	-40 +90
Width of the sensor Material of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation according to DIN 40719 extendable after IEC 204-2 S metal metal metal Metal Metal Metal plastic 1 teflon plunger Mn/s / m/s 0.1 1.5 N 20 Item (M20 x 1.5) M12 plug, fixed M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE	Product specification		
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• of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position Cable gland version Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	Width of the sensor	mm	31
Material / of the housing / of the switch head plastic Design of the operating mechanism teflon plunger Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation according to DIN 40719 extendable after IEC 204-2 S	Material		
Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position Cable gland version 1x (M20 x 1.5) Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	of the enclosure		metal
Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	Material / of the housing / of the switch head		plastic
Minimum actuating force / in activation direction Protection class IP IP66/IP67 mounting position Cable gland version 1x (M20 x 1.5) Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	Design of the operating mechanism		teflon plunger
Protection class IP mounting position Cable gland version 1x (M20 x 1.5) Design of the electrical connection M12 plug, fixed M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	Actuating speed	mm/s / m/s	0.1 1.5
mounting position Cable gland version 1x (M20 x 1.5) Design of the electrical connection M12 plug, fixed M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	Minimum actuating force / in activation direction	N	20
Cable gland version 1x (M20 x 1.5) Design of the electrical connection M12 plug, fixed M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	Protection class IP		IP66/IP67
Design of the electrical connection M12 plug, fixed M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	mounting position		any
Design of the plug-in connection M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	Cable gland version		1x (M20 x 1.5)
pin 3= 13, pin 4= 14, pin 5= PE Item designation • according to DIN 40719 extendable after IEC 204-2 S	Design of the electrical connection		M12 plug, fixed
• according to DIN 40719 extendable after IEC 204-2	Design of the plug-in connection		
	Item designation		
according to DIN EN 61346-2 B	• according to DIN 40719 extendable after IEC 204-2		S
	• according to DIN EN 61346-2		В

Certificates/approvals:

General Product Approval

Declaration of Conformity

Test Certificates











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:

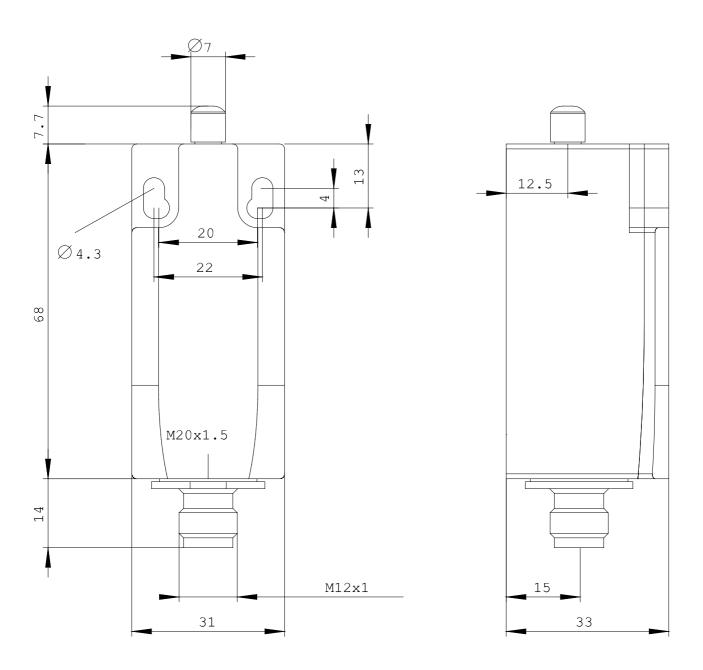
http://www.siemens.com/cax

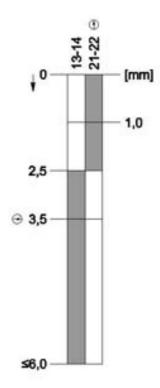
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SE5214-0CC05-1AC5/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5214-0CC05-1AC5





last change: Feb 18, 2013