Product data sheet 3SE5234-0HD03-1AC4



SIRIUS POSITION SWITCH;
PLASTIC HOUSING ACC. TO EN50047,
31MM 1NO/1NC SNAP-ACTION CONTACTS INTEGRATED
(NOT REPLACEABLE) W. M12 CONNECTOR,
4-POLE PIN ASSIGNMENT: PIN1=21,
PIN2=22, PIN3=13,PIN4=14,
FOR MAX.250V AND 4A ROLLER PLUNGER W. PLASTIC
ROLLER 10MM

Manufacturer article number

- of the basic unit included in the scope of supply
- of the actuator head for position switches included in the scope of supply

3SE5234-0HC05-1AC4

3SE5000-0AD03

General technical details:		
product designation		standard position switch
Insulation voltage		
• rated value	V	250
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	3
• at 125 V / rated value	Α	0.55
• at 230 V / rated value	Α	0.27
Continuous current		
• of the slow DIAZED fuse link	Α	4

• of the Quick DIAZED Just link • of the C characteristic circuit breaker • yopical • yopical • yopical • A 2 15,000,000 100,0			
Mechanical operating cycles as operating time • typical 15,000,000 100	of the quick DIAZED fuse link	А	4
	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 positive opening, integrated Number of NC contacts • for auxiliary contacts • for diministration • for dimensions EN 50047 Width of the sensor material • of the housing Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Material / of the housing force / in activation direction N 20 Protection class IP Built in orientation Letter designation • M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Mechanical operating cycles as operating time		
Electrical operating cycles in one hour *with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025 Repeat accuracy	• typical		15,000,000
Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy Design of the contact element Number of NC contacts • for auxiliary contacts • for contacts • for auxiliary contacts • for auxiliary contacts • for ding storage • core -25 85 • duing storage • core -40 90 Product specification • for dimensions Width of the sensor man 31 material • of the housing of the switch head Design of the operating mechanism Actuating speed mn/s / m/s Let auxiliary contacts mn/s / ms 1	Electrical operating cycles as operating time		
with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy Design of the contact element Number of NC contacts *for auxiliary contacts	Electrical operating cycles in one hour		
Design of the contact element Number of NC contacts • for auxiliary contacts • for dimperature • during operating • during operating • for dimensions • EN 50047 Width of the sensor mm 31 material • of the housing Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Actuating speed mm/s / m/s Minimum actuating force / in activation direction N 20 Protection class IP Built in orientation Minimum actuating force / in activation direction Protection class IP Built in orientation Cable gland version Design of the electrical connection M12 plug Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S			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 tor dimensions tor dimensions Width of the sensor material of the housing / of the switch head Design of the operating mechanism Actuating speed Actuating speed Minimum actuating force / in activation direction Protection class IP Built in orientation Design of the plug-in connection Pesign of the plug-in connection Picce of the plug-in connection Item designation according to DIN 40719 extendable after IEC 204-2 1	Design of the contact element		snap-action contacts
Design of the switching function positive opening, integrated Number of NO contacts	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 mm 31 Material / of the housing Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Actuating speed mm/s / m/s Minimum actuating force / in activation direction Protection class IP Built in orientation Cable gland version Design of the electrical connection Pesign of the plug-in connection Pesign of the plug-in connection **M12 plug, fixed **M2 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 **Item designation **according to DIN 40719 extendable after IEC 204-2 **S **Item designation **according to DIN 40719 extendable after IEC 204-2 **S **C *25 85 **O *25 85 **S **S **C *40 90 **Poduct specification **O **Poduct specification **O **C *40 90 **Product specification **In South 7 **S **S **S **S **S **S **S *	Design of the switching function		positive opening, integrated
Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor material • of the housing Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP Built in orientation Cable gland version Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Number of NO contacts		
Resistance against shock Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor material • of the housing Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP Built in orientation Cable gland version Design of the electrical connection M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	for auxiliary contacts		1
Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor material • of the housing 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 Built in orientation Cable gland version Design of the electrical connection M12 plug M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Resistance against vibration		0.35 mm / 5g
• during operating • during storage • during storage • C • 40 90 Product specification • for dimensions Width of the sensor mm 31 material • of the housing 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 Built in orientation Cable gland version Design of the electrical connection M12 plug M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Resistance against shock		30g / 11 ms
• during storage • during storage • C	Ambient temperature		
Product specification • for dimensions Width of the sensor material • of the housing Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP Built in orientation Cable gland version Design of the electrical connection M12 plug M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	during operating	°C	-25 85
For dimensions Width of the sensor material of the housing 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 Built in orientation Cable gland version Design of the electrical connection M12 plug Design of the plug-in connection M12 plug, fixed Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation according to DIN 40719 extendable after IEC 204-2 S	during storage	°C	-40 90
Width of the sensor mm 31 material plastic Material / of the housing / of the switch head plastic Design of the operating mechanism plastic roller Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP IP65 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, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation according to DIN 40719 extendable after IEC 204-2 S	Product specification		
material • of the housing Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP IP65 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, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	• for dimensions		EN 50047
of the housing plastic Material / of the housing / of the switch head Design of the operating mechanism Actuating speed plastic roller Minimum actuating force / in activation direction N 20 Protection class IP 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, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2	Width of the sensor	mm	31
Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction Protection class IP Built in orientation Cable gland version Design of the electrical connection M12 plug M12 plug, fixed Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 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 Minimum actuating force / in activation direction N 20 Protection class IP Built in orientation Cable gland version Design of the electrical connection Design of the plug-in connection M12 plug, fixed M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	of the housing		plastic
Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP IP65 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, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 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 Built in orientation Cable gland version M12 plug Design of the electrical connection M12 plug, fixed Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Design of the operating mechanism		plastic roller
Protection class IP Built in orientation Cable gland version M12 plug Design of the electrical connection M12 plug, fixed M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Actuating speed	mm/s / m/s	0.1 1
Built in orientation Cable gland version M12 plug Design of the electrical connection M12 plug, fixed M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Minimum actuating force / in activation direction	N	20
Cable gland version M12 plug Design of the electrical connection M12 plug, fixed M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Protection class IP		IP65
Design of the electrical connectionM12 plug, fixedDesign of the plug-in connectionM12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14Item designationS• according to DIN 40719 extendable after IEC 204-2S	Built in orientation		any
Design of the plug-in connection M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 Item designation • according to DIN 40719 extendable after IEC 204-2 S	Cable gland version		M12 plug
Item designation • according to DIN 40719 extendable after IEC 204-2 S 3 = 13, Pin 4 = 14	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	 according to DIN 40719 extendable after IEC 204-2 		S
	• according to DIN EN 61346-2		В

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery



ROSTEST





ΤÜV

Test Certificates

other

Manufacturer

other Manufacturer

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

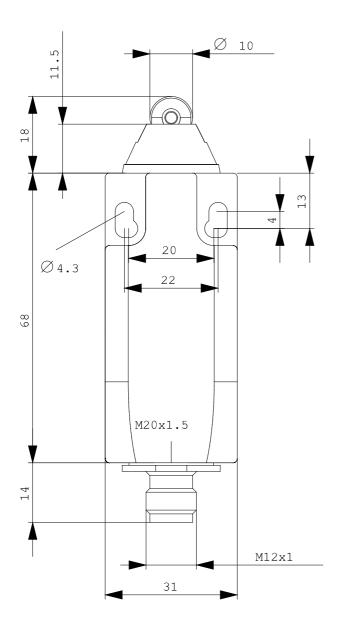
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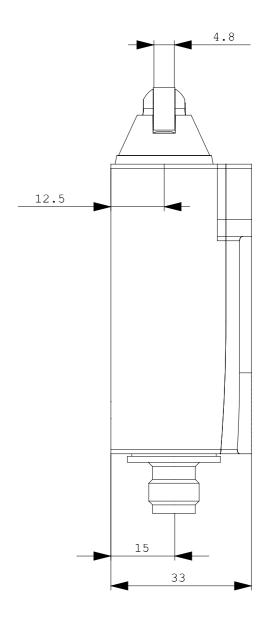
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

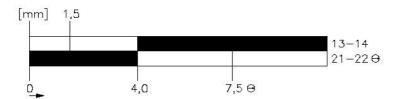
http://support.automation.siemens.com/WW/view/en/3SE5234-0HD03-1AC4/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5234-0HD03-1AC4







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