# **SIEMENS**

Product data sheet 3SE5234-0LC05-1AE0



SIRIUS POSITION SWITCH; PLASTIC HOUSING ACC. TO EN50047, 31MM 1NO/2NC SNAP-ACTION CONTACTS W. M12 CONNECTOR,4-POLE MAX.250V AND 4A, 20E AND PE CONNECTED TEFLON PLUNGER

### Manufacturer article number

• of the basic unit included in the scope of supply

3SE5234-0LC05-1AE0

General technical details:		
product designation		standard position switch
Explosion protection category for dust		none
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	1.5
• 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	А	4

• of the Quck DIAZED fuse link • of the G characteristic circuit breaker  • yokical • yokical • 36,000,000  Electrical operating cycles as operating time • 34,0-15 / at 230 V / yokpal  Electrical operating cycles in one hour • with contact aRH11, SRT1018, SRT1024, SRT1025, SRT1028  Repeat accuracy mm 0.05 SRT1028  Repeat accuracy mm 0.05 SRT1028  Repeat accuracy mm 0.05 Design of the contact element Number of NC contacts • for suciliary contacts • for different element Number of NC contacts • for different element • during operating • for element element • for different element • for element element • fo			
Number of NC contacts	of the quick DIAZED fuse link	А	4
15,000,000	of the C characteristic circuit breaker	Α	1
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  Respisat 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  snap-action contacts  * for auxiliary contacts  * auxiliary contacts  * for auxiliary contacts  * auxiliary conta	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05  Repeat accuracy mm 0.05  Number of NC contacts  • for auxillary contacts  • during operating • during operating • during storage  • 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 housing / of the switch head  Design of the operating mechanism  Actuating speed  mm/s / m/s  Actuating speed  mm/s / m/	Electrical operating cycles in one hour		
Design of the contact element  Number of NC contacts  • for auxiliary contacts  • 0  Resistance against vibration  Resistance against vibration  • adminy operating  • °C  • 25 +85  • 40 +90  Product specification  • 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  mm/s / m/s  Actuating speed  m			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
• for auxiliary contacts       2         Design of the switching function       positive opening         Number of NO contacts       0         • for auxiliary contacts       0         Resistance against vibration       30g / 11 ms         Resistance against shock       30g / 11 ms         Ambient temperature       • during operating       °C       -25 +85         • during storage       °C       -40 +90         Product specification       EN 50047         • for dimensions       mm       31         Material       • of the enclosure       plastic         Material / of the housing / of the switch head       plastic         Design of the operating mechanism       mm/s / m/s       0.1 1.5         Actuating speed       mm/s / m/s       0.1 1.5         Minimum actuating force / in activation direction       N       20         Protection class IP       IP65         mounting position       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 = 31, Pin 4 = 32         Item designation       M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 3	Design of the contact element		snap-action contacts
Design of the switching function  Number of NO contacts  • for auxiliary contacts  Resistance against vibration  Resistance against shock  Ambient temperature  • during operating  • or c -25 +85  • during storage  or 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  mm/s / m/s  Minimum actuating force / in activation direction  Protection class IP  mounting position  Cable gland version  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 = 31, Pin 4 = 32  Item designation  • according to DIN 40719 extendable after IEC 204-2	Number of NC contacts		
Number of NO contacts	for auxiliary contacts		2
* 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  Pesign of the plug-in connection  Pesign of the plug-in connection  Pesign of the plug-in connection  **According to DIN 40719 extendable after IEC 204-2  **S  **S  **C     *-25 +85 **	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 electrical connection  Design of the plug-in connection  M12 plug  M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32  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 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 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32  Item designation  • according to DIN 40719 extendable after IEC 204-2  S	for auxiliary contacts		0
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 plug  M12 plug, fixed  M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32  Item designation  • according to DIN 40719 extendable after IEC 204-2	Resistance against vibration		0.35 mm / 5g
* during operating * during storage  * during storage  * C	Resistance against shock		30g / 11 ms
• during storage     Product specification     • for dimensions     EN 50047  Width of the sensor     mm 31  Material     • of the enclosure     plastic  Material / of the housing / of the switch head     pesign of the operating mechanism     Actuating speed	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  0.1 1.5  Minimum actuating force / in activation direction  Protection class IP  mounting position  Cable gland version  Design of the electrical connection  M12 plug  M20  M12 plug, fixed  Design of the plug-in connection  M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32  Item designation • according to DIN 40719 extendable after IEC 204-2	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  Minimum actuating force / in activation direction  Protection class IP  mounting position  Cable gland version  Design of the electrical connection  M12 plug  M12 plug  M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32  Item designation  • according to DIN 40719 extendable after IEC 204-2  Material / of the electrical connection  mm 31  Item designation  plastic  plas	Product specification		
Material       • of the enclosure       plastic         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       IP65         mounting position       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 = 31, Pin 4 = 32         Item designation       • according to DIN 40719 extendable after IEC 204-2       S	• for dimensions		EN 50047
• 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  IP65  mounting position  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 = 31, Pin 4 = 32  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       IP65         mounting position       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 = 31, Pin 4 = 32         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  IP65  mounting position  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 = 31, Pin 4 = 32  Item designation  • according to DIN 40719 extendable after IEC 204-2  S	of the enclosure		plastic
Actuating speed mm/s / m/s 0.1 1.5  Minimum actuating force / in activation direction N 20  Protection class IP IP65  mounting position 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 = 31, Pin 4 = 32  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  IP65  mounting position  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 = 31, Pin 4 = 32  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  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 = 31, Pin 4 = 32  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  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 = 31, Pin 4 = 32  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, fixed  M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32  Item designation  • according to DIN 40719 extendable after IEC 204-2  S	Protection class IP		IP65
Design of the electrical connection  M12 plug, fixed  M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32  Item designation  • according to DIN 40719 extendable after IEC 204-2  S	mounting position		any
Design of the plug-in connection  M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32  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 = 31, Pin 4 = 32  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	<ul> <li>according to DIN 40719 extendable after IEC 204-2</li> </ul>		S
	• according to DIN EN 61346-2		В

## Certificates/approvals:

### **General Product Approval**

Functional Safety / Safety of Machinery Declaration of Conformity













**Test Certificates** 

other

Special Test Certificate 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:

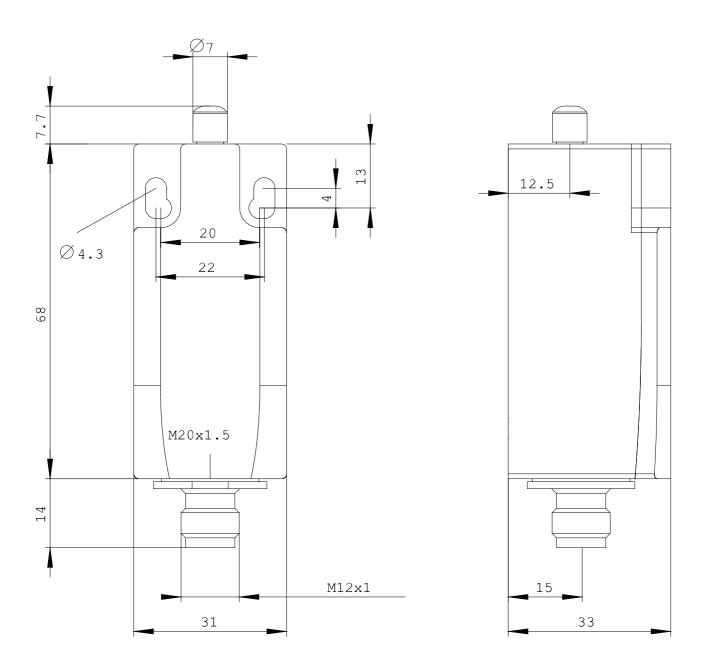
http://www.siemens.com/cax

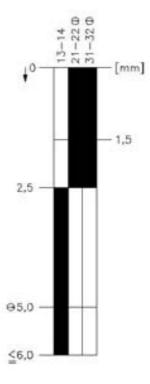
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SE5234-0LC05-1AE0/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3SE5234-0LC05-1AE0





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