# **SIEMENS**

Product data sheet 3SE5232-0BD03



SIRIUS POSITION SWITCH PLASTIC HOUSING ACC. TO EN50047,

31MM DEVICE CONNECTION 1X(M20X1.5); 1NO/1NC SLOW-ACTION CONTACTS 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

3SE5232-0BC05

3SE5000-0AD03

General technical details:		
product designation		standard position switch
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	А	6
• at 230 V / rated value	А	3
• at DC-13		
• at 24 V / rated value	А	3
• at 125 V / rated value	A	0.55
• at 230 V / rated value	A	0.27
Continuous current		
of the slow DIAZED fuse link	А	6

of the C characteristic circuit breaker	e of the quick DIAZED fries list	^	10
Mechanical operating cycles as operating time  • typical  Electrical operating cycles as operating time  • with contactor SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical  • at AC-15 / at 230 V / typical  • at AC-15 / at 230 V / typical  Electrical operating cycles in one hour  • with contactor SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026  Repeat accuracy  mm 0.05  Repeat accuracy  Design of the contact element  Number of NC contacts  • for auxiliary cont			
15,000,000		A	
Electrical operating cycles as operating time  • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical  • electrical operating cycles in one hour  • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Repeat accuracy  mm			45,000,000
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical         10,000,000           Electrical operating cycles in one hour         • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026         6,000           • with contactor of RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026         6,000           Repeat accuracy         mm         0.05           Design of the contact element         slow-action contacts           Number of NC contacts         1           • for auxiliary contacts         1           • dorsill auxiliary contacts         1      <			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 duxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for duxiliary contacts  • for dixiliary contacts  • for duxiliary contacts  • for dixiliary con			10,000,000
- with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Repeat accuracy  Design of the contact element  Number of NC contacts  - for auxiliary contacts  - for dimense temperature  - during operating - during operating - for dimensions  - for the housing - for the housing / of the switch head - plastic  - for the housing of the poperating mechanism  - for the housing of the operating mechanism  - for the housing of the operating mechanism  - for dimensions  -	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05  Resign of the contact element slow-action contacts  *for auxiliary contacts  *Resistance against vibration  Resistance against shock  *Ambient temperature  *during operating  *C 2585  *during storage  *C 4090  *Product specification  *for dimensions  *EN 50047  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  Minimum actuating force / in activation direction  Minimum actuating force / in activation direction  Protection class IP  Built in orientation  Design of the electrical connection  Item designation  *according to DIN 40719 extendable after IEC 204-2  **Source Advance of the contacts  **To Advance of	Electrical operating cycles in one hour		
Design of the contact element  Number of NC contacts  • for auxiliary contacts  1 positive opening  Number of NO contacts  • for auxiliary contacts  Resistance against vibration  Resistance against shock  Amblent temperature  • during operating • during storage • during storage • during storage • for dimensions  Fin 50047  Width of the sensor  mm  • for dimensions  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  plastic roller  Actuating speed  mm/s / m/s  Actuating force / in activation direction  N 20  Protection class IP  Built in orientation  Cable gland version  Like Mesignation  • according to DIN 40719 extendable after IEC 204-2  S series auxiliary contacts  1  positive opening  0.35 mm / 5g  0.35 mm / 5g  0.35 mm / 5g  0.35 mm / 5g  0.30 / 11 ms  Actuating spead  mm/s / m/s  10 plastic  plastic  plastic  plastic roller  mm/s / m/s  0.4 1  Minimum actuating force / in activation direction  N 20  Protection class IP  Built in orientation  Screw-type terminals			6,000
Number of NC contacts  • for auxiliary contacts  1 positive opening  Number of NO contacts  • for auxiliary contacts  1 contacts  • for auxiliary contacts  1 contacts  • for auxiliary contacts  Resistance against vibration  Resistance against vibration  Resistance against shock  Ambient temperature  • during operating  • during operating  • during storage  C -25 85  • during storage  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  Item designation  • according to DIN 40719 extendable after IEC 204-2  S S	Repeat accuracy	mm	0.05
• for auxiliary contacts  Design of the switching function  Number of NO contacts     • for auxiliary contacts  • for auxiliary contacts  Resistance against vibration  Resistance against shock  Ambient temperature     • during operating     • during storage  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  Item designation     • according to DIN 40719 extendable after IEC 204-2  **C	Design of the contact element		slow-action contacts
Design of the switching function  Number of NO contacts  • for auxiliary contacts  Resistance against vibration  Resistance against vibration  Resistance against shock  Ambient temperature • during operating • during storage  • during storage  Product specification • for 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  Cable gland version  Pessign of the electrical connection  Item designation • according to DIN 40719 extendable after IEC 204-2  **C	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 • during storage • cc -40 90  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  Actuating speed  mm/s / m/s  N 20  Protection class IP  Built in orientation  Cable gland version  Design of the electrical connection  Item designation • according to DIN 40719 extendable after IEC 204-2  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 housing / of the switch head  Design of the operating mechanism  Actuating speed  mm/s / m/s  Actuating speed  mm/s / m/s  Actuating speed  mm/s / m/s  Design of the electrical connection  Protection class IP  Built in orientation  Cable gland version  Design of the electrical connection  Resistance against vibration  eaccording to DIN 40719 extendable after IEC 204-2  **Output  *	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  Item designation  • according to DIN 40719 extendable after IEC 204-2  S  C -25 85  C -40 90  Po C -40 90  Po Justic  Plastic  plastic  plastic  plastic  plastic roller  mm/s / m/s  0.4 1  Item designation  • according to DIN 40719 extendable after IEC 204-2	for auxiliary contacts		1
Ambient temperature  • during operating • during storage  • during storage  Product specification • 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  Minimum actuating force / in activation direction  Protection class IP  Built in orientation  Cable gland version  Design of the electrical connection  Item designation • according to DIN 40719 extendable after IEC 204-2  S  Cable 30  Cable 31  Cable 31  Cable 31  Cable 31  Cable 31  Cable 41  Cable 4	Resistance against vibration		0.35 mm / 5g
during operating     during storage     C -25 85     during storage  Product specification     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  Minimum actuating force / in activation direction  Protection class IP  Built in orientation  Cable gland version  Design of the electrical connection  Item designation     *C -25 85  -40 90  EN 50047   mm 31  Plastic  plastic  plastic  plastic  plastic roller  N 20  Protection class IP  IP65  Built in orientation  1x (M20 x 1.5)  screw-type terminals  Item designation     *according to DIN 40719 extendable after IEC 204-2  S	Resistance against shock		30g / 11 ms
• during storage     Product specification     • 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 0.4 1  Minimum actuating force / in activation direction     Protection class IP     Built in orientation     Cable gland version     Design of the electrical connection     Item designation     • according to DIN 40719 extendable after IEC 204-2  **C -40 90  -40 90	Ambient temperature		
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  Ix (M20 x 1.5)  Design of the electrical connection  ltem designation • according to DIN 40719 extendable after IEC 204-2  S  EN 50047  EN 50047  Plastic  plastic  plastic roller  N 20  IP65  IP65  S  S  S  S  S  S  S  S  S  S  S  S  S	during operating	°C	-25 85
For dimensions	during storage	°C	-40 90
Width of the sensor mm 31   material • of the housing plastic   Material / of the housing / of the switch head plastic   Design of the operating mechanism plastic roller   Actuating speed mm/s / m/s 0.4 1   Minimum actuating force / in activation direction N 20   Protection class IP IP65   Built in orientation any   Cable gland version 1x (M20 x 1.5)   Design of the electrical connection screw-type terminals   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  0.4 1  Minimum actuating force / in activation direction  N  20  Protection class IP  Built in orientation  Cable gland version  1x (M20 x 1.5)  Design of the electrical connection  Item designation  • according to DIN 40719 extendable after IEC 204-2  S  plastic  plastic plastic  plastic	• for dimensions		EN 50047
● of the housing       plastic         Material / of the housing / of the switch head       plastic         Design of the operating mechanism       plastic roller         Actuating speed       mm/s / m/s       0.4 1         Minimum actuating force / in activation direction       N       20         Protection class IP       IP65         Built in orientation       any         Cable gland version       1x (M20 x 1.5)         Design of the electrical connection       screw-type terminals         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  Design of the operating mechanism  Actuating speed mm/s / m/s 0.4 1  Minimum actuating force / in activation direction N 20  Protection class IP IP65  Built in orientation any  Cable gland version 1x (M20 x 1.5)  Design of the electrical connection screw-type terminals  Item designation  • according to DIN 40719 extendable after IEC 204-2  S Plastic plastic plastic  plastic  plastic plastic  plasti	material		
Design of the operating mechanism  Actuating speed  mm/s / m/s  0.4 1  Minimum actuating force / in activation direction  N  20  Protection class IP  Built in orientation  Cable gland version  Design of the electrical connection  tem designation  • according to DIN 40719 extendable after IEC 204-2  plastic roller  mm/s / m/s  0.4 1  N  20  IP65  Bult in orientation  1x (M20 x 1.5)  screw-type terminals	of the housing		plastic
Actuating speed mm/s / m/s 0.4 1  Minimum actuating force / in activation direction N 20  Protection class IP IP65  Built in orientation any  Cable gland version 1x (M20 x 1.5)  Design of the electrical connection screw-type terminals  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  Built in orientation  Cable gland version  1x (M20 x 1.5)  Design of the electrical connection  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  1x (M20 x 1.5)  Design of the electrical connection  Item designation  • according to DIN 40719 extendable after IEC 204-2  IP65  any  1x (M20 x 1.5)  Screw-type terminals	Actuating speed	mm/s / m/s	0.4 1
Built in orientation any  Cable gland version 1x (M20 x 1.5)  Design of the electrical connection screw-type terminals  Item designation  • according to DIN 40719 extendable after IEC 204-2	Minimum actuating force / in activation direction	N	20
Cable gland version  1x (M20 x 1.5)  Design of the electrical connection  screw-type terminals  Item designation  • according to DIN 40719 extendable after IEC 204-2  S	Protection class IP		IP65
Design of the electrical connection screw-type terminals  Item designation  • according to DIN 40719 extendable after IEC 204-2  S	Built in orientation		any
Item designation  • according to DIN 40719 extendable after IEC 204-2  S	Cable gland version		1x (M20 x 1.5)
• according to DIN 40719 extendable after IEC 204-2	Design of the electrical connection		screw-type terminals
	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



ROSTEST





ΤÜV

**Test Certificates** 

other

Manufacturer

<u>other</u> <u>Manufacturer</u>

# 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** 

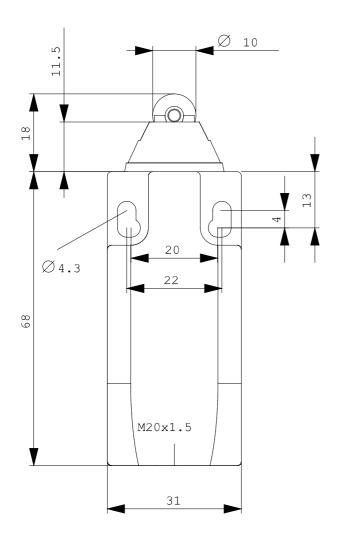
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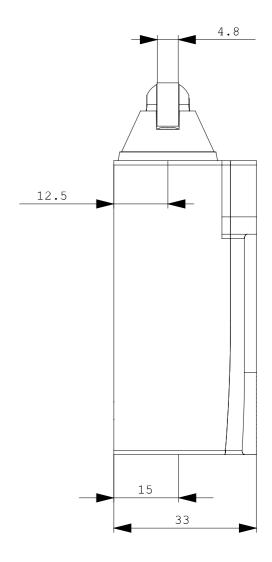
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

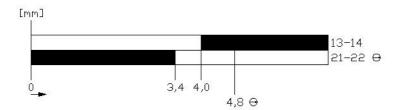
http://support.automation.siemens.com/WW/view/en/3SE5232-0BD03/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3SE5232-0BD03







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