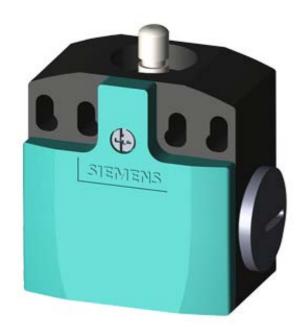
SIEMENS

Product data sheet 3SE5242-0HC05



SIRIUS POSITION SWITCH;
PLASTIC HOUSING ACC. TO EN50047,
50MM DEVICE CONNECTION 2X(M20X1.5);
1NO/1NC SNAP-ACTION CONTACTS TEFLON PLUNGER

Manufacturer article number

• of the basic unit included in the scope of supply

3SE5242-0HC05

General technical data:			
Product designation		standard position switch	
Explosion protection category for dust		none	
Insulation voltage			
• rated value	V	400	
Degree of pollution		class 3	
Thermal current	Α	6	
Operating current			
• at AC-15			
• at 24 V / rated value	Α	6	
• at 125 V / rated value	Α	6	
• at 230 V / rated value	Α	6	
• at 400 V / rated value	Α	4	
• 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	
• at 400 V / rated value	Α	0.1	

of the slow DIAZED fuse link of the quick DIAZED fuse link of the quick DIAZED fuse link of the Coharacteristic circuit breaker Mechanical operating cycles as operating time typical vipical with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 / typical with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 / typical with contactor 3RH11, 3RT1018, 3RT1017, 3RT1024, 3RT1025, 3RT1028 / topical lectrical operating cycles in one hour with contactor 3RH11, 3RT1018, 3RT1017, 3RT1024, 3RT1025, 3RT1028 Begela courtacy mm 0.05 Design of the contact element Number of NC contacts *for auxiliary	Continuous current		
• of the Quick DIAZED fuse link • of the C characteristic circuit breaker • typical • typical • with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 / SPICE (ST PA)		Δ	6
* of the C characteristic circuit breaker Mechanical operating cycles as operating time * vipical Electrical operating cycles as operating time * with contactor 3RH11, 3RT1016, 3RT1024, 3RT1025, 3RT1026 (typical) * vith 2-15 / at 230 V / pipcal * vith contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 operating cycles in one hour * with contact 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 * Repeat accuracy mm 0.05 Respect accuracy mm 0.05 Respect the contact element Number of NC contacts * for auxiliary contacts * for auxiliary contacts * for auxiliary contacts * during shorage * during storage * during storage * during storage Width of the sensor Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed * in the enclosure of the switch head Design of the operating mechanism Actuating speed * mm/s / m/s 11.5 Minimum actuating force / in activation direction Protection class IP Protection class IP Design of the electrical connection Reference code * according to DIN 40719 extended according to IEC 204-22 * S. wide contacts in the second of the second of the contact very perterminals * description to IN 40719 extended according to IEC 204-22 * S. wide contact in the second of the contact very perterminals * description to IN 40719 extended according to IEC 204-22 * S. wide contact in the second of the contact very perterminals * description to IN 40719 extended according to IEC 204-22 * S. wide contact in the second of the contact very perterminals * description to IN 40719 extended according to IEC 204-22 * S. wide contact in the second of the contact very perterminals * description to IN 40719 extended according to IEC 204-22 * S. wide contact in the second of the contact very perterminals * description to IN 40719 extended according to IEC 204-22 * S. wide contact in the second of the contact very perterminals * description to IN 40719 extended according to IEC 204-22 * S. wide contact in the second of			
Mechanical operating cycles as operating time • typical Electrical operating cycles as operating time • with contactor 3RH11, 3RT1016, 3RT1024, 3RT1025, 3RT1026, 3RT1026, Yppical • at AC-15 / at 230 V / typical • at AC-15 / at 230 V / typical • at AC-15 / at 230 V / typical Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026			
		- ^	2
Electrical operating cycles as operating time * with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical * at AC-15 / at 230 V / typical Electrical operating cycles in one hour * with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 * Repeat accuracy * mm			15,000,000
with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 / typical at AC-15 / at 230 V / typical letterical operating cycles in one hour with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 SRT1026 Repeat accuracy mm 0.05 Respeat accuracy mm 0.05 Design of the contact element Number of NC contacts · for auxiliary contacts · for auxiliary contacts · for auxiliary contacts · for auxiliary contacts · for auxiliary contacts · during operating · during operating · during operating · of the enclosure Material · of the enclosure / 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 Reference code · according to DIN 40719 extended according to IEC 204-2 I 10,0000 100,00 100,0			15,000,000
SRT1026 / typical * 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 Design of the contact element Number of NC contacts * for auxiliary contacts * for auxiliary contacts Ambient temperature * during operating * cot acts * during storage Width of the sensor Material * of the enclosure / of the switch head Design of the operating mechanism Actuating speed Material / of the operating mechanism Actuating speed Millimum actuating force / in activation direction Protection class IP mounting position Reference code * according to DIN 40719 extended according to IEC 204-2 Reference code * according to DIN 40719 extended according to IEC 204-2 * Code of the contact service is an according to IEC 204-2 * Code of Code			40,000,000
Electrical operating cycles in one hour *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 1 Design of the switching function Number of NO contacts *for auxiliary contacts 1 Resistance against vibration Resistance against vibration Resistance against shock Ambient temperature *during operating *during storage *du			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 au	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05 Design of the contact element snap-action contacts Number of NC contacts	Electrical operating cycles in one hour		
Design of the contact element Number of NC contacts • for auxiliary contacts 1 Design of the switching function Number of NO contacts • for auxiliary contacts Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage • C -25 +85 • during storage • C -40 +90 Width of the sensor mm 50 Material • of the enclosure Material / of the enclosure / 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 Reference code • according to DIN 40719 extended according to IEC 204-2 S **C -40 +90 **C -40 +90 **O **C -40 +90 **O **O **O **O **O **O **O *			6,000
Number of NC contacts • for auxiliary contacts Design of the switching function Number of NO contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts 1 Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage Width of the sensor Material • of the enclosure Material / of the enclosure / 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 Cable gland version Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 I according to DIN 40719 extended according to IEC 204-2	Repeat accuracy	mm	0.05
• for auxiliary contacts Design of the switching function Number of NO contacts • for auxiliary contacts Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage Width of the sensor Material • of the enclosure / 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 mounting position Cable gland version Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 S 1 positive opening, integrated positive opening, i	Design of the contact element		snap-action contacts
Design of the switching function positive opening, integrated Number of NO contacts for auxiliary contacts 1 1 Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature 	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 Width of the sensor Material • of the enclosure Material / of the enclosure / 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 Reference code • according to DIN 40719 extended according to IEC 204-2 100 30g / 11 ms 20 - 25 +85 24 0 +90 90 100 100 100 100 100 100 1	Design of the switching function		positive opening, integrated
Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage *C -25 +85 • during storage *C -40 +90 Width of the sensor mm 50 Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s N 20 Protection class IP mounting position Cable gland version Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 **O **C -25 +85 **O*C -40 +90 **O **O **O **O **O **O **O **O **O **	Number of NO contacts		
Resistance against shock Ambient temperature • during operating • during storage **C -25 +85 • during storage **C -40 +90 Width of the sensor **mm** 50 Material • of the enclosure Material / of the enclosure / 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 Cable gland version Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 S **according to DIN 40719 extended according to IEC 204-2 **according to DIN 40719 extended according to IEC 204-2 **according to DIN 40719 extended according to IEC 204-2	• for auxiliary contacts		1
Ambient temperature • during operating • during storage *C -25 +85 • during storage *C -40 +90 Width of the sensor mm 50 Material • of the enclosure Material / of the enclosure / 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 Reference code • according to DIN 40719 extended according to IEC 204-2 S *C -40 +90 Position plastic plastic plastic plastic plastic N 20 IP66/IP67 any 2 x (M20 x 1.5) screw-type terminals	Resistance against vibration		0.35 mm / 5g
 during operating during storage C -25 +85 during storage C -40 +90 Width of the sensor Material of the enclosure plastic Material / of the enclosure / 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 ple66/IP67 mounting position any Cable gland version 2 x (M20 x 1.5) Design of the electrical connection screw-type terminals Reference code according to DIN 40719 extended according to IEC 204-2 S	Resistance against shock		30g / 11 ms
• during storage **C** **G** **G** **C** **G**	Ambient temperature		
Width of the sensor Material of the enclosure Material / of the enclosure / 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 Cable gland version Design of the electrical connection Reference code according to DIN 40719 extended according to IEC 204-2 moments mm 50 teflon plunger teflon plunger N 20 Protection class IP IP66/IP67 any 2 x (M20 x 1.5) screw-type terminals	during operating	°C	-25 +85
Material • of the enclosure Material / of the enclosure / 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 Cable gland version Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 S plastic	during storage	°C	-40 +90
• of the enclosure Material / of the enclosure / 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 Reference code • according to DIN 40719 extended according to IEC 204-2 plastic teflon plunger N 20 Protection class IP so protection plunger N 20 Protection class IP so plastic teflon plunger N 20 So So So So So So So So So S	Width of the sensor	mm	50
Material / of the enclosure / 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 IP66/IP67 mounting position Cable gland version Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 Plastic teflon plunger N 20 Reflex N 20 IP66/IP67 any 2 x (M20 x 1.5) screw-type terminals	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 any Cable gland version Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 **Efforce code • according to DIN 40719 extended according to IEC 204-2	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 IP66/IP67 mounting position any Cable gland version 2 x (M20 x 1.5) Design of the electrical connection screw-type terminals Reference code • according to DIN 40719 extended according to IEC 204-2 S	Material / of the enclosure / of the switch head		plastic
Minimum actuating force / in activation direction Protection class IP IP66/IP67 mounting position Cable gland version 2 x (M20 x 1.5) Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 S IP66/IP67 any 2 x (M20 x 1.5) S S	Design of the operating mechanism		teflon plunger
Protection class IP mounting position Cable gland version Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 IP66/IP67 any 2 x (M20 x 1.5) screw-type terminals	Actuating speed	mm/s / m/s	0.1 1.5
mounting position Cable gland version 2 x (M20 x 1.5) Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 S	Minimum actuating force / in activation direction	N	20
Cable gland version 2 x (M20 x 1.5) Design of the electrical connection screw-type terminals Reference code • according to DIN 40719 extended according to IEC 204-2 S	Protection class IP		IP66/IP67
Design of the electrical connection screw-type terminals Reference code • according to DIN 40719 extended according to IEC 204-2 S	mounting position		any
Reference code • according to DIN 40719 extended according to IEC 204-2 S	Cable gland version		2 x (M20 x 1.5)
• according to DIN 40719 extended according to IEC 204-2	Design of the electrical connection		screw-type terminals
	Reference code		
• according to DIN EN 61346-2	according to DIN 40719 extended according to 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

Vibration Test Certificates

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Cax online generator

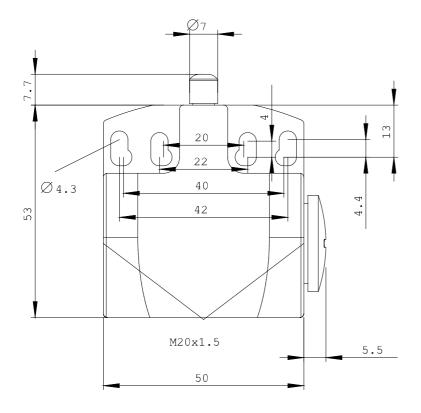
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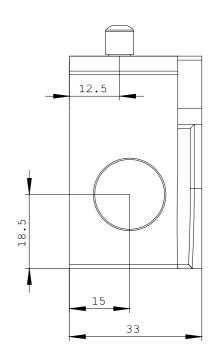
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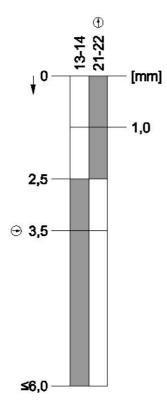
http://support.automation.siemens.com/WW/view/en/3SE5242-0HC05/all

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

 $\underline{ http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5242-0HC05}$







last change: Aug 8, 2014