SIEMENS

Product data sheet 3SE5242-0MC05



SIRIUS POSITION SWITCH;
PLASTIC ENCLOSURE ACC TO EN 50047,
50MM CONNECTION 2X (M20X1.5);
1NO/2NC SLOW-ACTION CONTACTS WITH MAKE-BEFORE-BREAK ROUND. PLUNGER - TEFLON PLUNGER

Manufacturer article number

• of the basic unit included in the scope of supply

3SE5242-0MC05

General technical data:			
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	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	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	Α	6	

• of the C characteristic circuit breaker A 1 Mechanical operating cycles as operating time • sylicial 15,000,000 Electrical operating cycles as operating time • with contactor 3RH113, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 10,000,000 • with contactor 3RH113, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 100,000 Electrical operating cycles in one hour 6,000 • with contactor 3RH113, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Unable of the contact element 0.05 0.00 Number of NC contacts 2 0.00 • for auxiliary contacts 1 1 Resistance against vibration 1 1 Resistance against vibration 2 2 • during operating **C 25 +85 • during storage **C 25 +85 • Uniful of the sensor **C 40 +90 Material • of the enclosure / of the switch head plastic Design of the operating mechanism ** plastic <	of the quick DIAZED fuse link	Α	6
Stypical	of the C characteristic circuit breaker	Α	1
Electrical operating cycles as operating time 10,000,000 * with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 10,000,000 Electrical operating cycles in one hour * to Co.000 * with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element slow-action contacts * for auxiliary contacts 2 * for auxiliary contacts 1 * for auxiliary contacts 30g / 11 ms * during operating °C 25+85 * during operating °C -40+90 * Material plastic * for the enclosure / of the switch head	Mechanical operating cycles as operating time		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 10,000 Electrical operating cycles in one hour 6,000 • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element slow-action contacts • for auxiliary contacts 2 • for auxiliary contacts 2 • for auxiliary contacts 1 • for auxiliary contacts 30g / 11 ms Resistance against vibration 30g / 11 ms Resistance against vibration 6 • during operating °C -25 +85 • during operating °C -25 +85 • during operating °C -40 +90 Width of the sensor mm 50 Material • of the enclosure / of the switch head plastic Design of the operating mechanism Reflored plastic Minimum actuating force / in activation direction	• typical		15,000,000
ART1026 / typical • at AC-15 / at 230 V / typical • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mmm 0.05 Repeat accuracy mmm 0.05 Resign of the contact element Number of NC contacts • for auxiliary con	Electrical operating cycles as operating time		
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 • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts Resistance against vibration Resistance against vibration Rumber temperature • during operating • during storage • during storage • with enclosure Material • of the enclosure / of the switch head Design of the operating mechanism Actuating speed 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 Reference code • according to DIN 40719 extended according to IEC 204-2 Begin to the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 mm/s			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
ART1026 mm 0.05 Design of the contact element mm 0.05 Number of NC contacts	Electrical operating cycles in one hour		
Design of the contact element Number of NC contacts • 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 • "C			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
Pesign of the switching function Number of NO contacts • for auxiliary contacts • for auxiliary contacts Resistance against vibration Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage *C -25 +85 • during storage *C -40 +90 Width of the sensor Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed *C -40 +90 *Bastic Material / of the operating mechanism Actuating speed *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 S S S S S S S S S S S S S S S S S S	Design of the contact element		slow-action contacts
Design of the switching function positive opening Number of NO contacts for auxiliary contacts 1 Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature during operating during storage 40 +90 Width of the sensor mm 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 Minimum actuating force / in activation direction N Protection class IP IP66/IP67 mounting position 2 x (M20 x 1.5) Cable gland version 2 x (M20 x 1.5) Design of the electrical connection screw-type terminals	Number of NC contacts		
Number of NO contacts • for auxiliary contacts • for auxiliary contacts Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage • 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 ### Cancer of the switch of the Cable of Cable of the Cable of	for auxiliary contacts		2
• for auxiliary contacts Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage **C	Design of the switching function		positive opening
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 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 **O	Number of NO contacts		
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 ### Actuating speed #	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 -25 +85 -25 +85 -25 +85 -26 +90 -26 +90 -27 +90 -28 +90 -29 +90 -29 +90 -20 +90	Resistance against vibration		0.35 mm / 5g
 during operating during storage C -25 +85 during storage C -40 +90 Width of the sensor mm 50 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 0.4 1.5 Minimum actuating force / in activation direction N 20 Protection class IP 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 • during storage width of the sensor mm for 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 wmm so Cable gland version S Cable gland version S S	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 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 mm 50 mm 50 plastic plastic 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 Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection Reference code o according to DIN 40719 extended according to IEC 204-2 plastic plastic plastic plastic plastic plastic	during storage	°C	-40 +90
• 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 0.4 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	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 0.4 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		
Design of the operating mechanism Actuating speed mm/s / m/s 0.4 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 teflon plunger teflon plunger 1.5 2 x (M20 x 1.5) screw-type terminals	of the enclosure		plastic
Actuating speed mm/s / m/s 0.4 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 Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 N 20 IP66/IP67 any 2 x (M20 x 1.5) screw-type terminals	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	0.4 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 any 2 x (M20 x 1.5) screw-type terminals	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 S	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

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

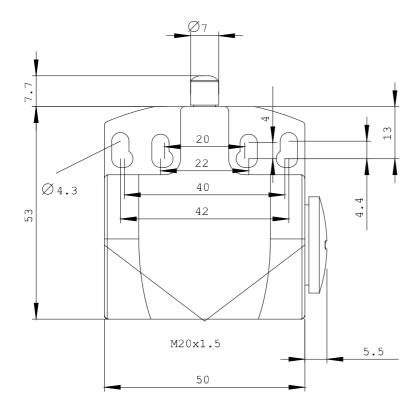
http://www.siemens.com/cax

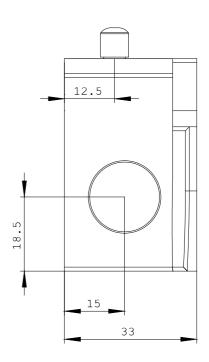
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

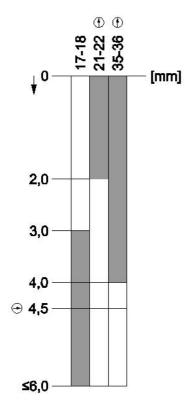
http://support.automation.siemens.com/WW/view/en/3SE5242-0MC05/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5242-0MC05







last change: Jul 28, 2014