SIEMENS

Product data sheet 3SE5250-0MC05



SIRIUS POSITION SWITCH; PLASTIC HOUSING OPEN TYPE 30MM 1NO/2NC SLOW-ACTION CONTACTS WITH OVERLAP METAL PLUNGER,IP10

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	А	6	
Operating current			
• at AC-15			
• at 24 V / rated value	А	6	
• at 125 V / rated value	А	6	
• at 230 V / rated value	А	1.5	
• at DC-13			
• at 24 V / rated value	А	3	
• at 125 V / rated value	А	0.55	
• at 230 V / rated value	А	0.27	
Continuous current			
• of the slow DIAZED fuse link	А	6	
• of the quick DIAZED fuse link	А	6	
of the C characteristic circuit breaker	Α	1	

• lypical Electrical operating cycles as operating time • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / lypical Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / lypical Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 Repeat accuracy mm 0.05 Design of the contact element Number of NC contacts • for auxiliary contacts • fo	Mechanical operating cycles as operating time		
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 3RT1026 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Repeign of the Contact element Number of NC contacts *for auxillary conta			15.000.000
with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 / typical Electrical operating cycles in one hour with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 Repeat accuracy pesign of the contact element Number of NC contacts for auxiliary contacts for auxil			,
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 au	• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,		10,000,000
with contactor SRH11, 9RT1016, 9RT1017, 9RT1024, 9RT1025, 9RT1026 Repeat accuracy Design of the contact element Number of NC contacts for auxiliary contacts Resistance against shock Ambient temperature during operating	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05 Design of the contact element	Electrical operating cycles in one hour		
Design of the contact element Number of NC contacts • for auxiliary			6,000
Number of NC contacts	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 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 ### According to Incord of the switch of the Incord of IEC 204-2 ### 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 ### 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 ### 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 ### 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	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 	Number of NC contacts		
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 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 Reference code • according to DIN 40719 extended according to IEC 204-2 I 20	for auxiliary contacts		2
• 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** 30 Material • of the enclosure 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 Protection class IP mounting position Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 **Test Actuation of the switch according to IEC 204-2 **Test Actual of the switch according to IEC 204-2 **Test Actual of the switch according to IEC 204-2 **Test Actual of the switch according to IEC 204-2 **Test Actual of the switch according to IEC 204-2 **Test Actual of the switch according to IEC 204-2 **Test According to DIN 40719 extended according to IEC 204-2	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 Reference code • according to DIN 40719 extended according to IEC 204-2 0 0 30g / 11 ms 30g / 11 ms 30g / 11 ms 30g / 11 ms 40g / c -25 +85 40	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 Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 **O** **O** **O** - 25 +85 **O** - 40 +90 **Design of the sensor mm 30 **O** **Polastic, open-type plastic, open-type plastic plastic **O** **O** - 40 +90 **O** **O** - 40 +90 **O**	for auxiliary contacts		1
Ambient temperature • during operating • during storage **C** -25 +95 • during storage **C** -40 +90 Width of the sensor mm 30 Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed **mm/s / m/s** Metal plunger **mm/s / m/s* Metal plunger **mm/s / m/s* Metal plunger **mm/s / m/s* Metal plunger **protection class IP IP10 **mounting position **Design of the electrical connection **protection class IP **mounting position **protection class IP *	Resistance against vibration		0.35 mm / 5g
 during operating during storage C -25 +85 during storage C -40 +90 Width of the sensor mm 30 Material of the enclosure plastic, open-type Material / of the enclosure / of the switch head plastic Design of the operating mechanism Metal plunger mm/s / m/s 0.4 1.5 Minimum actuating force / in activation direction N 20 Protection class IP mounting position pl10 any Design of the electrical connection screw-type terminals Reference code according to DIN 40719 extended according to IEC 204-2 S S 	Resistance against shock		30g / 11 ms
• during storage • during storage Width of the sensor mm 30 Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Metal plunger Actuating speed mm/s / m/s 0.4 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP10 mounting position Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 S	Ambient temperature		
Width of the sensor mm 30 Material of the enclosure plastic, open-type plastic plastic plastic plastic plastic Design of the operating mechanism Metal plunger Actuating speed mm/s / m/s 0.4 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP10 mounting position Design of the electrical connection Reference code according to DIN 40719 extended according to IEC 204-2 S	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 Metal plunger Metal plunger 0.4 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP10 mounting position Design of the electrical connection Reference code according to DIN 40719 extended according to IEC 204-2 S	during storage	°C	-40 +90
• 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 Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 Plastic plastic plastic plastic plastic plast	Width of the sensor	mm	30
Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s N 20 Protection class IP IP10 mounting position Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 Plastic Metal plunger N 20 IP10 any Screw-type terminals S S	Material		
Design of the operating mechanism Actuating speed mm/s / m/s 0.4 1.5 Minimum actuating force / in activation direction Protection class IP IP10 mounting position Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2	of the enclosure		plastic, open-type
Actuating speed mm/s / m/s 0.4 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP10 mounting position any 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 IP10 mounting position Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 N 20 IP10 any Screw-type terminals	Design of the operating mechanism		Metal plunger
Protection class IP IP10 mounting position any Design of the electrical connection screw-type terminals Reference code • according to DIN 40719 extended according to IEC 204-2 S	Actuating speed	mm/s / m/s	0.4 1.5
mounting position any Design of the electrical connection screw-type terminals Reference code • according to DIN 40719 extended according to IEC 204-2 S	Minimum actuating force / in activation direction	N	20
Design of the electrical connection screw-type terminals Reference code • according to DIN 40719 extended according to IEC 204-2 S	Protection class IP		IP10
Reference code • according to DIN 40719 extended according to IEC 204-2 S	mounting position		any
• 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 B	 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)

 $\underline{\text{http://www.siemens.com/industrial-controls/mall}}$

Cax online generator

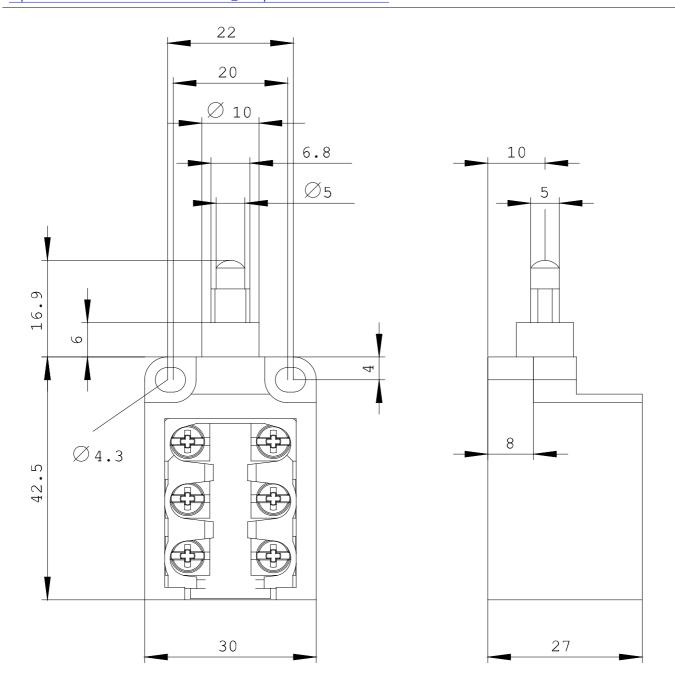
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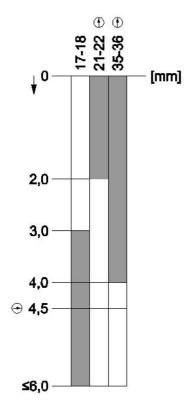
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SE5250-0MC05/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5250-0MC05}}$





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