SIEMENS

Product data sheet 3SE5162-0EC02



SIRIUS POSITION SWITSCH METAL ENCLOSURE XL,WIDTH 56MM WITH ROUNDED PLUNGER, MADE OF HIGH-GRADE STEEL WITH 3MM OVERTRAVEL, DEVICE CONNECTION 3X(M20X1.5), 1X(1NO/2NC) SLOW-ACTION CONTACT WITH MAKEBEFORE-BREAK PLUS 1X(1NO/1NC) SLOW-ACTION CONTACT IP66/IP67

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

3SE5162-0EA00

3SE5000-0AC02

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	10
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 gluke DIAZED fuse link • of the quick DIAZED fuse link • of the Quick DIAZED fuse link • of the Q characteristic circuit broaker • typical • typical • typical • vink contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Vipical • at AC-15 / at 230 V / typical • at AC-15 / at 230 V / typical • at AC-15 / at 230 V / typical • typical vink contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 Vipical • at AC-15 / at 230 V / typical • at AC-15 / at 230 V / typical • typical vink contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 Vipical • at AC-15 / at 230 V / typical • typical vink contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 Vipical • typical vink contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Vipical Vipi			
• of the C characteristic circuit breaker Mechanical operating cycles as operating time • typical Electrical operating cycles as operating time • with contactor SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 / lypical • at AC-15 / at 230 V / typical • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028, 3RT1028 / lypical • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028, 3RT1028 / substituting the contact of the more of the contact element • with contact element Number of NC contacts • for auxilliary contacts • for auxilliary contacts • for auxilliary contacts • for auxilliary contacts • during operating • during storage Width of the sensor Material of the enclosure / of the switch head Design of the contacting mechanism Attential • 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 2042 e S	of the slow DIAZED fuse link	А	6
Mechanical operating cycles as operating time	of the quick DIAZED fuse link	А	6
Sypicial	of the C characteristic circuit breaker	Α	1
Electrical operating cycles as operating time • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / Lypical • at AC-15 / at 230 V / Vypical Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 / Repeat accuracy Pessign of the contact element Number of NC 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 operating mechanism Actuating speed Material 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 S,000,000 100,0	Mechanical operating cycles as operating time		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 100,000 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 Number of NC contacts 3 slow-action contacts • for auxiliary contacts 3 positive opening Number of NC contacts 2 slow-action contacts • for auxiliary contacts metal	• typical		5,000,000
ART1026 / typical • at AC-16 / at 230 V / typical • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Repeat accuracy of auxillary contacts • for auxillary contacts • auxil	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 Resistance against vibration Resistance against vibration Rumber of NC contacts • 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 metal Screw-type terminals			5,000,000
*with conlactor 3R111, 3R11016, 3R11017, 3R11024, 3R11025, 3R11026 Repeat accuracy mm 0.05 Design of the contact element Number of NC contacts *for auxiliary contacts *abient temperature *during operating *during storage *Width of the sensor 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 **matiliary contacts *matilia	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05 Design of the contact element slow-action contacts Number of NC contacts 3 • for auxiliary contacts 3 Design of the switching function 3 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 • for auxiliary contacts • for auxiliary contacts Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage Width of the sensor 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 Actuating speed mm/s / m/s Na 0 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			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
Pesign of the switching function 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 "C -25 +85 • during storage "C -40 +90 Width of the sensor mm 56 Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed Actuating speed mm/s / m/s 0.4 1.5 Minimum actuating force / in activation direction N 30 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	Number of NC contacts		
Number of NO contacts	for auxiliary contacts		3
* 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 Cable gland version Design of the electrical connection Reference code * according to DIN 40719 extended according to IEC 204-2 **Out of the sainless steel plunger **Actual of the electrical connection Source—type terminals **Serem-type terminal	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 N 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** **O** - 25 +85 - 26 +90 **O** - 25 +85 - 40 +90 **O** metal - 50 - 40 +90 **O** - 40 +90 **O** metal - 50 - 40 +190 **O** metal - 50 - 40 +15 - 50 - 40 +15 - 50 - 40 +15 - 50 - 40 +15 - 40 +15 - 40 +15 - 40 +15 - 40 +15 - 40 +1	for auxiliary contacts		2
Ambient temperature • during operating • during storage *C -25 +85 • during storage *C -40 +90 Width of the sensor mm 56 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 30 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 -40 +90 The standard according to IEC 204-2 **C -25 +85 -25 +85 -40 +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 56 Material of the enclosure metal metal Material / of the enclosure / of the switch head Design of the operating mechanism stainless steel plunger Actuating speed mm/s / m/s 0.4 1.5 Minimum actuating force / in activation direction N 30 Protection class IP mounting position any Cable gland version any Cable gland version as x (M20 x 1.5) Serew-type terminals Reference code according to DIN 40719 extended according to IEC 204-2 S S	Resistance against shock		30g / 11 ms
• during storage Width of the sensor mm 56 Material • of the enclosure metal 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 30 Protection class IP	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 N Order of the electrical connection Reference code according to DIN 40719 extended according to IEC 204-2 metal metal metal metal metal metal metal metal netal metal petal metal metal petal metal petal metal petal metal metal petal metal metal petal metal metal petal metal petal metal petal metal petal metal metal petal metal petal	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 metal netal metal netal metal netal netal netal stainless steel plunger N 30 30 3 x (M20 x 1.5) screw-type terminals Reference code o 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 Cable gland version Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 metal petal stanless steel plunger nam/s / m/s 0.4 1.5 N 30 S seriel plunger nam/s / m/s 30 N 30 S seriel plunger nam/s / m/s 30 N 30 S seriel plunger nam/s / m/s stanless steel plunger nam/s / m/s N 30 S seriel plunger nam/s / m/s stanless steel plunger nam/s / m/s N 30 S seriel plunger nam/s / m/s stanless steel plunger nam/s / m/s	Width of the sensor	mm	56
Material / of the enclosure / of the switch headmetalDesign of the operating mechanismstainless steel plungerActuating speedmm/s / m/s0.4 1.5Minimum actuating force / in activation directionN30Protection class IPIP66/IP67mounting positionanyCable gland version3 x (M20 x 1.5)Design of the electrical connectionscrew-type terminalsReference code • according to DIN 40719 extended according to IEC 204-2S	Material		
Design of the operating mechanism Actuating speed mm/s / m/s 0.4 1.5 Minimum actuating force / in activation direction N 30 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 stainless steel plunger mm/s / m/s 0.4 1.5 N 30 IP66/IP67 any 3 x (M20 x 1.5) screw-type terminals	• of the enclosure		metal
Actuating speed mm/s / m/s 0.4 1.5 Minimum actuating force / in activation direction N 30 Protection class IP IP66/IP67 mounting position any Cable gland version 3 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		metal
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 30 IP66/IP67 any 3 x (M20 x 1.5) screw-type terminals	Design of the operating mechanism		stainless steel 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 3 x (M20 x 1.5) screw-type terminals	Actuating speed	mm/s / m/s	0.4 1.5
mounting position Cable gland version 3 x (M20 x 1.5) Design of the electrical connection Reference code • according to DIN 40719 extended according to IEC 204-2 S any 3 x (M20 x 1.5) screw-type terminals	Minimum actuating force / in activation direction	N	30
Cable gland version 3 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		3 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 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)

http://www.siemens.com/industrymall

Cax online generator

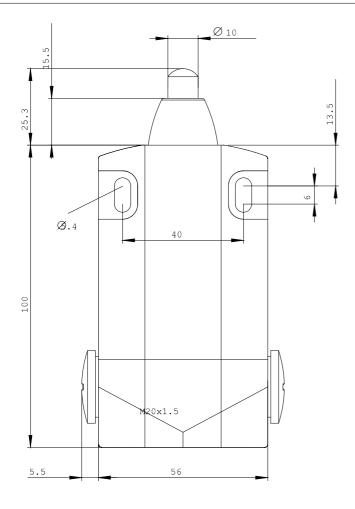
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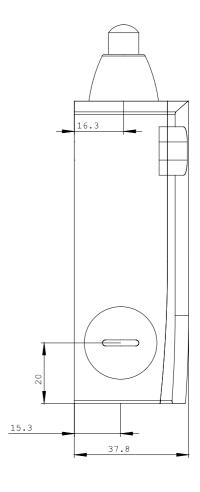
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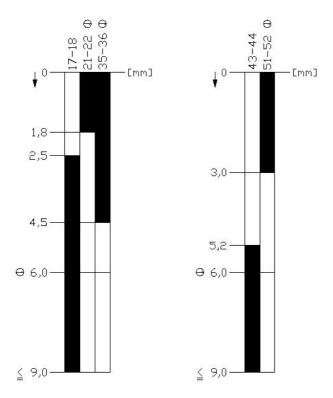
http://support.automation.siemens.com/WW/view/en/3SE5162-0EC02/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5162-0EC02}}$







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