Product data sheet 3SE5232-0CK31-1AJ0



SIRIUS POSITION SWITCH, PLASTIC 31MM, ACC. TO EN50047 INCREASED CORROSION PROTECTION.

DEVICE CONNECTION 1X (M20X1.5) 1NO/ 1NC SNAP-ACTION CONTACT PART-TURN ACTUATOR RIGHT/LEFT ADJUSTABLE,

WITH STAINLESS STEEL LEVER AND PLASTIC ROLLER 19MM FUNCTIONAL AT -40 DEGREES, SHOCK-AND VIBRATION TEST ACC. TO EN61373, CATEGORY 1B

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
- of the operating lever included in the scope of supply

3SE5232-0CC05-1AJ0

3SE5000-0AK00-1AJ0

3SE5000-0AA31-1AJ0

General technical data:				
Product designation		standard position switch		
Product feature		expanded temperature range, e.g. railway application		
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	3		
• at DC-13				
at 24 V / rated value	Α	3		
at 125 V / rated value	Α	0.55		

Continuous current	• at 230 V / rated value	Α	0.27
• of the slow DIAZED fuse link • of the quick DIAZED fuse link • of the Quick DIAZED fuse link • of the Quick DIAZED fuse link • of the C characteristic circuit breaker Mechanical operating cycles as operating time • typical Flectrical operating cycles as operating time • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / spical • at AC-15 / A 12 30 V / typical Flectrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 Repeat accuracy mm	• at 400 V / rated value	Α	0.1
of the Quick DIAZED fuse link of the C characteristic circuit breaker Mechanical operating cycles as operating time typicial indicator 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical indicator 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical indicator 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical indicator 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 indicator 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026 indicator 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025 indicator 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026 indicator 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026, 3RT1026 indicator 3RT11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 indicator 3RT11, 3RT1016, 3	Continuous current		
• of the C characteristic circuit breaker Mechanical operating cycles as operating time • typical Electrical operating cycles as operating time • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical • at AC-15 / at 230 V/ typical • at AC-15 / at 230 V/ typical • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Repeat accuracy besign of the contact element Number of NC contacts • for auxillary applications / according to DIN EN 61373 Resistance against vibration • for railway applications / according to DIN EN 61373 Resistance against shock • for railway applications / according to DIN EN 61373 Ambient temperature • during operating • during operating • during storage Product specification • for dimensions Width of the sensor Material • of the enclosure / of the switch head Design of the operating mechanism Actuating speed metal lever, 21 mm long, straight, plastic roller 19 mm Actuating speed metal lever, 21 mm long, straight, plastic roller 19 mm Actuating speed metal lever, 21 mm long, straight, plastic roller 19 mm Actuating speed protection class IP mounting position	of the slow DIAZED fuse link	Α	6
Mechanical operating cycles as operating time • typical Electrical operating cycles as operating time • with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 (typical) • at AC-15 / at 230 V / typical Electrical operating cycles in one hour • with contactor SRH11, SRT1018, SRT1017, SRT1024, SRT1025, SRT1026 (typical) Electrical operating cycles in one hour • with contactor SRH11, SRT1018, SRT1017, SRT1024, SRT1025, SRT1026, SRT1026 Repeat accuracy mm	of the quick DIAZED fuse link	Α	10
	of the C characteristic circuit breaker	Α	2
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 Repeat accuracy besign of the contact element Number of NC contacts • for auxillary	Mechanical operating cycles as operating time		
with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical it at AC-15 / tat 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 Repeat accuracy mm 0.05 Indicator of NC contacts vior auxiliary contacts if auxiliary contacts if or auxiliary contacts if or auxiliary contacts if or auxiliary applications / according to DIN EN 61373 Resistance against vibration if or railway applications / according to DIN EN 61373 Resistance against shock if or railway applications / according to DIN EN 61373 Resistance against shock if or railway applications / according to DIN EN 61373 Resistance against shock if or railway applications / according to DIN EN 61373 Resistance against shock if or railway applications / according to DIN EN 61373 Resistance against shock if or railway applications / according to DIN EN 61373 Resistance against shock if or railway applications / according to DIN EN 61373 Resistance against shock if or railway applications / according to DIN EN 61373 Resistance against shock if or all was application / according to DIN EN 61373 Resistance against shock if or all was applications / according to DIN EN 61373 Resistance against shock if or all was applications / according to DIN EN 61373 Resistance against shock if or all was applications / according to DIN EN 61373 Resistance against shock if or all was applications / according to DIN EN 61373 Resistance against shock if or all was applications / according to DIN EN 61373 Resistance against shock if or all was applications / according to DIN EN 61373 Resistance against shock if or all was applications / according to DIN EN 61373 Resistance against was applications / according to DIN EN 61373 Resistance against was applications / according to DIN EN 61373	• typical		15,000,000
at AC-15 / typical • at AC-15 / at 230 V / typical Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mm 0.05 I 0 Repeat accuracy I 0 Repeat accuracy mm 0.05 I 0 Repeat accuracy I 0 Repeat accuracy I 0 Repeat accuracy mm 0.05 I 0 Repeat accuracy I 0 Repeat accuracy mm 0.05 I 0 Repeat accuracy I 0	Electrical operating cycles as operating time		
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element mm 0.05 Number of NC contacts 1 of or auxiliary contacts 1 efor auxiliary contacts 1 of auxiliary contacts 1 efor auxiliary contacts 1 efor auxiliary contacts 1 efor railway applications / according to DIN EN 61373 Category 1, Class B Resistance against vibration 2 30g / 11 ms efor railway applications / according to DIN EN 61373 Category 1, Class B Ambient temperature 4 40 +85 during operating *C 40 +85 during storage *C 40 +85 Product specification EN 50047 width of the sensor mm 31 Material plastic of the enclosure / of the exvitch head plastic Design of the operating mechanism metal lever, 21 mm long, straight, plastic roller 19 mm Actua			10,000,000
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 •for auxiliary contacts •for auxiliary contacts •for auxiliary contacts •for auxiliary contacts Resistance against vibration •for railway applications / according to DIN EN 61373 Ambient temperature • during operating •during storage • C 40+85 •during storage • C 40+90 Product specification •for dimensions Width of the sensor mm 31 Material •of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s protection class IP mounting position mm 0.05 mm/s / m/s positive opening anap-action contacts napp-action contacts 1 Actuating speed protection class IP mounting position	• 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 snap-action contacts Number of NC contacts			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 *for railway applications / according to DIN EN 61373 Resistance against shock *for railway applications / according to DIN EN 61373 Ambient temperature *during operating *during storage Product specification *for dimensions Material *of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Protection class IP mounting position 1 *ossistance against shock *Ossistance against shock *30g / 11 ms Category 1, Class B *Category 1,	Design of the contact element		snap-action contacts
Design of the switching function positive opening Number of NO contacts	Number of NC contacts		
Number of NO contacts	• for auxiliary contacts		1
* for auxiliary contacts Resistance against vibration * for railway applications / according to DIN EN 61373 Resistance against shock * for railway applications / according to DIN EN 61373 Ambient temperature * during operating * during storage Product specification * for dimensions Material * of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed Protection class IP mounting position 1 0.35 mm / 5g Category 1, Class B Category	Design of the switching function		positive opening
Resistance against vibration • for railway applications / according to DIN EN 61373 Resistance against shock • for railway applications / according to DIN EN 61373 Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed Protection class IP mounting position 0.35 mm / 5g Category 1, Class B 30g / 11 ms Category 1, Class B Category 1, Class B Category 1, Class B Category 1, Class B Sold 7 - 40 +85 • 40 +90 Product specification • ©	Number of NO contacts		
• for railway applications / according to DIN EN 61373 Resistance against shock • for railway applications / according to DIN EN 61373 Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed Protection class IP mounting position Category 1, Class B Category 1, Clas B Category 1, Class B Category 1, Class B Cate	for auxiliary contacts		1
Resistance against shock • for railway applications / according to DIN EN 61373 Ambient temperature • during operating • during storage Product specification • for dimensions 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 Protection class IP mounting position 30g / 11 ms Category 1, Class B Category 1, Class B EN 50047 For 40 +90 EN 50047 EN 50047 EN 50047 plastic plastic metal lever, 21 mm long, straight, plastic roller 19 mm Protection class IP mounting position 1P65 any	Resistance against vibration		0.35 mm / 5g
• for railway applications / according to DIN EN 61373 Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mounting position Category 1, Class B Actu. +85 -40 +90 EN 50047 EN 50047 Mm 31 Plastic plastic plastic metal lever, 21 mm long, straight, plastic roller 19 mm Actuating speed mm/s / m/s 0.1 1.5 Protection class IP mounting position any	for railway applications / according to DIN EN 61373		Category 1, Class B
Ambient temperature • during operating • during storage • C -40 +85 • during storage • C -40 +90 Product specification • for dimensions EN 50047 Width of the sensor mm 31 Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mounting position plastic metal lever, 21 mm long, straight, plastic roller 19 mm Protection class IP mounting position plastic metal lever, 21 mm long, straight, plastic roller 19 mm any	Resistance against shock		30g / 11 ms
 during operating during storage C -40 +85 during storage C -40 +90 Product specification for dimensions EN 50047 Width of the sensor mm 31 Material of the enclosure plastic Material / of the enclosure / of the switch head plastic Design of the operating mechanism metal lever, 21 mm long, straight, plastic roller 19 mm Actuating speed mm/s / m/s 0.1 1.5 Protection class IP mounting position any 	• for railway applications / according to DIN EN 61373		Category 1, Class B
• during storage • during storage • C -40 +90 Product specification • for dimensions EN 50047 Width of the sensor mm 31 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 Protection class IP mounting position • C -40 +90 -40 +90	Ambient temperature		
Product specification • for dimensions EN 50047 Width of the sensor mm 31 Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s plastic metal lever, 21 mm long, straight, plastic roller 19 mm mm/s / m/s Protection class IP IP65 mounting position IP65	during operating	°C	-40 + 85
• for dimensions Width of the sensor mm 31 Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed Protection class IP mounting position EN 50047 mm 31 replacement of the sensor plastic plastic metal lever, 21 mm long, straight, plastic roller 19 mm nm/s / m/s 0.1 1.5 IP65 any	during storage	°C	-40 +90
Width of the sensormm31Material • of the enclosureplasticMaterial / of the enclosure / of the switch headplasticDesign of the operating mechanismmetal lever, 21 mm long, straight, plastic roller 19 mmActuating speedmm/s / m/s0.1 1.5Protection class IPIP65mounting positionany	Product specification		
Materialplastic• of the enclosureplasticMaterial / of the enclosure / of the switch headplasticDesign of the operating mechanismmetal lever, 21 mm long, straight, plastic roller 19 mmActuating speedmm/s / m/sProtection class IPIP65mounting positionany	• for dimensions		EN 50047
• of the enclosure plastic Material / of the enclosure / of the switch head plastic Design of the operating mechanism metal lever, 21 mm long, straight, plastic roller 19 mm Actuating speed mm/s / m/s 0.1 1.5 Protection class IP IP65 mounting position any	Width of the sensor	mm	31
Material / of the enclosure / of the switch head plastic Design of the operating mechanism metal lever, 21 mm long, straight, plastic roller 19 mm Actuating speed mm/s / m/s 0.1 1.5 Protection class IP IP65 mounting position any	Material		
Design of the operating mechanism metal lever, 21 mm long, straight, plastic roller 19 mm Actuating speed mm/s / m/s 0.1 1.5 Protection class IP IP65 mounting position any	• of the enclosure		plastic
Actuating speed mm/s / m/s 0.1 1.5 Protection class IP IP65 mounting position any	Material / of the enclosure / of the switch head		plastic
Protection class IP IP65 mounting position any	Design of the operating mechanism		metal lever, 21 mm long, straight, plastic roller 19 mm
mounting position any	Actuating speed	mm/s / m/s	0.1 1.5
	Protection class IP		IP65
Cable gland version 1x (M20 x 1.5)	mounting position		any
	Cable gland version		1x (M20 x 1.5)

Design of the electrical connection		screw-type terminals
Fire load	kJ	1,026
Reference code		
 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

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

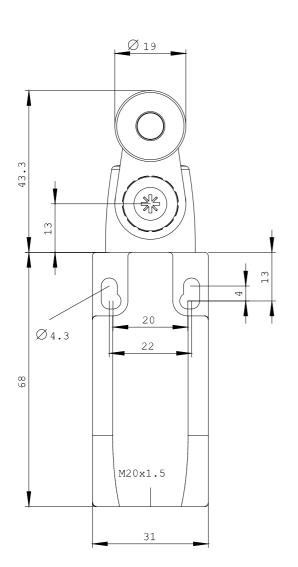
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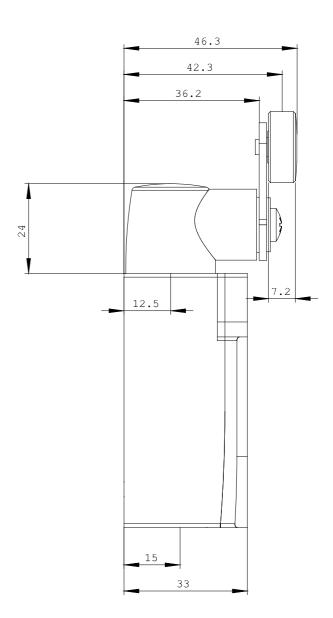
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

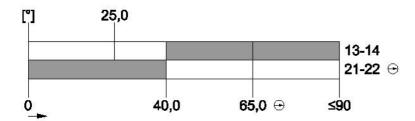
http://support.automation.siemens.com/WW/view/en/3SE5232-0CK31-1AJ0/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5232-0CK31-1AJ0}$







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