Data sheet

3SE5234-0HK21-1AC4



Position switch Plastic enclosure according to EN 50047, 31 mm 1 NO/1 NC quick action contacts integrated (not replaceable) with M12 connector, 4-pole Pin assignment: Pin1=21, Pin2=22 Pin3=13, Pin4=14 for max. 250 V and 4 A Twist lever, right and/or left switching can be set with plastic roller 19 mm

product designation product type designation anufacturer's article number • of the supplied actuator head for position switches • of the supplied operating lever 3SE5000-0AAX0 • of the supplied operating lever 3SE5000-0AAX1 suitability for use safety switch Yes General technical data product function positive opening insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value 3 kV protection class IP shock resistance • according to IEC 60068-2-27 30g / 11 ms Vibration resistance • according to IEC 60068-2-8 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical thermal current material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the Characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link Q active principle mechanical repeat accuracy 0,05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation 1,25 mm width of the sensor 31 mm Ambient conditions ambient temperature • during operation • during operat	product brand name	SIRIUS
manufacturer's article number of the supplied actuator head for position switches of the supplied actuator head for position switches of the supplied operating lever sultability for use safety switch Yes Seneral technical data product function positive opening Insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value 3 kV protection class IP shock resistance according to IEC 60068-2-27 30g / 11 ms vibration resistance according to IEC 60068-2-8 mechanical service life (operating cycles) typical lelectrical endurance (operating cycles) at AC-15 at 230 V typical thermal current material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G continuous current of the DIAZED fuse link G active principle repeat accuracy 0,05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor width of the sensor yield for the sensor width of the sensor w	product designation	Mechanical position switches
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of the supplied operating lever suitability for use safety switch Pres General technical data product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 3 kV protection class IP shock resistance	manufacturer's article number	
suitability for use safety switch General technical data product function positive opening insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value protection class IP shock resistance according to IEC 60068-2-27 30g / 11 ms vibration resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical lefetrical endurance (operating cycles) at AC-15 at 230 V typical thermal current AA material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link AA; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G AA; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G AA; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G AA; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G AA; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G AB; or a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G AB; or a short-circuit current smaller than 400 A continuous current of the polazed link G AB; or a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G AB; or a short-circuit current smaller than 400 A continuous current of the polazed link G AB; or a short-circuit current smaller than 400 A continuous current of the polazed link G AB; or a short-circuit current smaller than 400 A continuous current of the polazed link G AB; or a short-circuit current smaller than 400 A continuous current of the polazed link G AB; or a short-circuit current smaller than 400 A continuous current of the polazed link G AB; or a short-circuit current	 of the supplied actuator head for position switches 	3SE5000-0AK00
Product function positive opening	 of the supplied operating lever 	3SE5000-0AA21
insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value 3 kV protection class IP IP65 shock resistance	suitability for use safety switch	Yes
insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 3 kV protection class IP IP65 shock resistance • according to IEC 60068-2-27 30g / 11 ms vibration resistance • according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical 15 000 000 electrical endurance (operating cycles) typical 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 typical current 4 A material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the Characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 4 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G 4 A active principle mechanical repeat accuracy 0.55 mm Substance Prohibitance (Date) 0.701/2006 minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 125.3 mm width of the sensor 125.3 mm width of the sensor 31 mm Ambient conditions ambient temperature e during operation 25 +85 °C 4 during storage 40 +90 °C explosion protection category for dust design of the switching contact mechanical operating frequency rated value 50 +00 °C	General technical data	
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surge voltage resistance rated value protection class IP shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 4 A material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 4 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 4 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating torque in directions of actuation length of the sensor 125.3 mm width of the sensor 125.3 mm Ambient conditions ambient temperature de during storage 40 +90 °C explosion protection category for dust design of the switching contact mechanical operating frequency rated value 50 60 Hz	insulation voltage rated value	250 V
protection class IP shock resistance * according to IEC 60068-2-27 vibration resistance * according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical typical thermal current ### AA ### Material of the enclosure of the switch head plastic reference code according to IEC 81346-2 ### BE continuous current of the C characteristic MCB ### Continuous current of the Quick DIAZED fuse link ### Continuous current of the DIAZED fuse link GB ### Active principle ### mechanical repeat accuracy ### D.05 mm ### Substance Prohibitance (Date) ### minimum actuating torque in directions of actuation ### Leg 5 #85 °C ### during operation ### during operation ### during storage ### A #90 °C ### explosion protection category for dust ### during frequency rated value ### 50 #60 Hz ### According to IEC 60068-2-2 ### AC-15 at 230 V typical ### 1500 000	degree of pollution	class 3
shock resistance according to IEC 60068-2-27 30g / 11 ms vibration resistance according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 4 A material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the pulck DIAZED fuse link 4 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G 4 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor 125.3 mm width of the sensor 31 mm Ambient conditions ambient temperature during operation -25 +85 °C -40 +90 °C explosion protection category for dust mechanical operating frequency rated value 50 60 Hz	surge voltage resistance rated value	3 kV
* according to IEC 60068-2-27 vibration resistance * according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current	protection class IP	IP65
vibration resistance	shock resistance	
according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 4 A material of the enclosure of the switch head reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 4 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 4 A active principle mechanical repeat accuracy 3.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor 4 Abient conditions ambient temperature of during operation during storage -25 +85 °C everylosion protection category for dust none design of the switching contact mechanical perating frequency rated value 50 60 Hz	• according to IEC 60068-2-27	30g / 11 ms
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thermal current 4 A A material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 4 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 4 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link g 4 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 125.3 mm width of the sensor 31 mm Ambient conditions ambient temperature	mechanical service life (operating cycles) typical	15 000 000
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continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor length of the sensor 31 mm Ambient conditions ambient temperature	reference code according to IEC 81346-2	В
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repeat accuracy Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor ambient conditions ambient temperature during operation during storage explosion protection category for dust design of the switching contact operating frequency rated value 0.05 mm 0.25 N·m 125.3 mm 31 mm -25 +85 °C -40 +90 °C explosion protection category for dust mechanical operating frequency rated value	continuous current of the DIAZED fuse link gG	4 A
Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor vidth of the sensor ambient conditions ambient temperature during operation during storage explosion protection category for dust design of the switching contact operating frequency rated value 0 0.25 N·m 125.3 mm 31 mm -25 +85 °C -25 +85 °C -40 +90 °C explosion protection category for dust mechanical operating frequency rated value 50 60 Hz	active principle	mechanical
minimum actuating torque in directions of actuation length of the sensor 25.3 mm width of the sensor Ambient conditions ambient temperature during operation during storage explosion protection category for dust design of the switching contact operating frequency rated value 0.25 N·m 125.3 mm -25 +85 °C -40 +90 °C explosion protection category for dust mechanical operating frequency rated value 50 60 Hz	repeat accuracy	0.05 mm
length of the sensor width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust design of the switching contact operating frequency rated value 125.3 mm 125.3 mm -25 +85 °C -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical operating frequency rated value 50 60 Hz	Substance Prohibitance (Date)	07/01/2006
width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust design of the switching contact operating frequency rated value 31 mm -25 +85 °C -40 +90 °C explosion protection category for dust none design of the switching contact operating frequency rated value 50 60 Hz	minimum actuating torque in directions of actuation	0.25 N·m
Ambient conditions ambient temperature • during operation • during storage • during storage • and the switching contact operating frequency rated value -25 +85 °C -40 +90 °C explosion protection category for dust mechanical 50 60 Hz	length of the sensor	125.3 mm
ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust none design of the switching contact operating frequency rated value -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical 50 60 Hz	width of the sensor	31 mm
 during operation during storage 40 +90 °C explosion protection category for dust design of the switching contact mechanical operating frequency rated value 50 60 Hz 	Ambient conditions	
 during storage -40 +90 °C explosion protection category for dust design of the switching contact operating frequency rated value 50 60 Hz 	ambient temperature	
explosion protection category for dust design of the switching contact operating frequency rated value none mechanical 50 60 Hz	 during operation 	-25 +85 °C
design of the switching contact mechanical operating frequency rated value 50 60 Hz	during storage	-40 +90 °C
operating frequency rated value 50 60 Hz	explosion protection category for dust	none
	design of the switching contact	mechanical
number of NC contacts for auxiliary contacts	operating frequency rated value	50 60 Hz
number of No contacts for auxiliary contacts	number of NC contacts for auxiliary contacts	1

number of NO contacts for auxiliary contacts	1		
operational current at AC-15			
at 24 V rated value	4 A		
• at 125 V rated value	4 A		
at 240 V rated value	4 A		
operational current at DC-13			
at 24 V rated value	3 A		
• at 125 V rated value	0.55 A		
• at 250 V rated value	0.27 A		
Enclosure			
design of the housing	block, narrow		
material of the enclosure	plastic		
coating of the enclosure	Other types		
design of the housing according to standard	Yes		
Drive Head			
design of the actuating element	Twist lever, metal lever, 21 mm long, straight, plastic roller 19 mm		
standard-compliant actuator head	EN 50047, design A		
shape of the switch head	roller		
design of the switching function	positive opening, integrated		
circuit principle	snap-action contacts		
number of switching contacts safety-related	1		
cable entry type	M12 plug		
design of plug-in connection	M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14		
nstallation/ mounting/ dimensions			
mounting position	any		
fastening method	screw fixing		
Connections/ Terminals			
type of electrical connection	M12 plug, fixed		
design of the interface for safety-related communication	without		
Communication/ Protocol			
design of the interface	without		
Certificates/ approvals			
	Functional		

®

Confirmation







Type Examination Certificate

Safety/Safety of Ma-

chinery

Declaration of Conformity

General Product Approval

Test Certificates

other





Type Test Certificates/Test Report

Type Test Certificates/Test Report

Confirmation

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

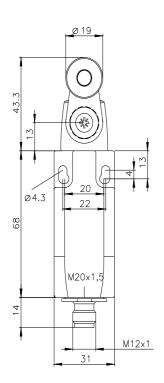
Industry Mall (Online ordering system)

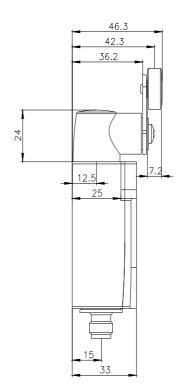
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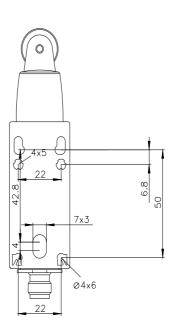
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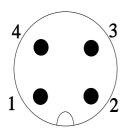
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5234-0HK21-1AC4

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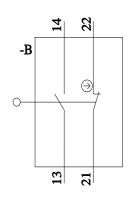


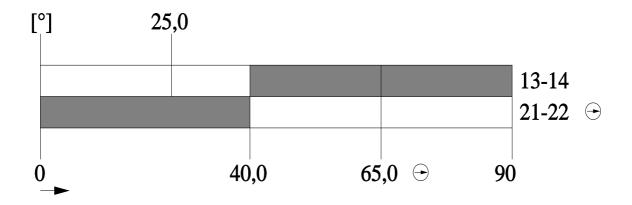






1	BN = Brown	\rightarrow	21
2	WH = White	\rightarrow	22
3	BU = Blue	\rightarrow	13
4	BK = Black	\rightarrow	14





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