## **SIEMENS**

Data sheet 3SE5232-0LK21



Position switch Plastic enclosure according to EN 50047, 31 mm Device connection 1 x (M20 x 1.5) 1 NO/2 NC quick action contacts Twist lever, 21 mm long right/left adjustable with plastic roller 19 mm

product designation	product brand name	SIRIUS
manufacturer's article number  • of the supplied actuator head for position switches  • of the supplied operating lever  • of the supplied switching contacts  • of the supplied switching contacts  • of the supplied empty enclosure with cover  3SE5000-0AA21  • of the supplied empty enclosure with cover  3SE5232-0AC05  suitability for use safety switch  Yes  General technical data  product function positive opening  Yes  insulation voltage rated value  400 V  degree of pollution  class 3  surge voltage resistance rated value  6 kV  protection class IP  shock resistance  • according to IEC 60068-2-7  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  10 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 Qilok DIAZED fuse link  continuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name	product designation	Mechanical position switches
of the supplied actuator head for position switches     of the supplied operating lever     of the supplied switching contacts     of the supplied switching contacts     of the supplied empty enclosure with cover     sisE5302-0AC05  suitability for use safety switch     Yes  General technical data  product function positive opening     Yes insulation voltage rated value     400 V degree of pollution     class 3 surge voltage resistance rated value     of kV  protection class IP shock resistance     oaccording to IEC 60068-2-27     vibration resistance     oaccording to IEC 60068-2-6     mechanical service life (operating cycles) typical     thermal current     thermal current     material of the enclosure of the switch head     reference code according to IEC 81346-2     continuous current of the Quick DIAZED fuse link gG     active principle     repeat accuracy     Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7	product type designation	3SE5
of the supplied operating lever     of the supplied switching contacts     of the supplied empty enclosure with cover     of the supplied empty enclosure with cover     suitability for use safety switch     Yes    Coneral technical data	manufacturer's article number	
of the supplied switching contacts     of the supplied empty enclosure with cover     suitability for use safety switch     Seneral technical data  Product function positive opening     insulation voltage rated value     degree of pollution     class 3     surge voltage resistance rated value     for the supplied empty enclosure with cover     insulation voltage rated value     degree of pollution     class 3     surge voltage resistance rated value     insulation voltage rated value     for the supplied empty enclosure of the suitable value     insulation voltage rated value     insulation voltage rated value     for the supplied empty enclosure of the suitable value     insulation voltage resistance rated value     for the supplied empty enclosure of the suitable value     insulation voltage resistance rated value     for the supplied empty enclosure of the suitable value     insulation voltage resistance rated value     for the enclosure of the suitable value     insulation voltage rated value     for the enclosure of the suitable value     insulation voltage rated value     for the enclosure of the suitable value     insulation voltage rated value     for the enclosure of the suitable value     for the enclosure of the suitable value     for a short-circuit current smaller than 400 A     continuous current of the Quick DIAZED fuse link     for a short-circuit current smaller than 400 A     continuous current of the DIAZED fuse link g     for a short-circuit current smaller than 400 A     continuous current of the DIAZED fuse link g     for a short-circuit current smaller than 400 A     continuous current of the DIAZED fuse link g     for a short-circuit current smaller than 400 A     continuous current of the DIAZED fuse link g     for a short-circuit current smaller than 400 A     continuous current of the DIAZED fuse link g     for a short-circuit current smaller than 400 A     continuous current of the DIAZED fuse link g     for a short-circuit current smaller than 400 A     continuous current of th	<ul> <li>of the supplied actuator head for position switches</li> </ul>	3SE5000-0AK00
of the supplied empty enclosure with cover     suitability for use safety switch     Yes  General technical data  product function positive opening     insulation voltage rated value     degree of pollution     class 3     surge voltage resistance rated value     6 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     electrical endurance (operating cycles) typical     electrical endurance (operating cycles) at AC-15 at 230 V     typical  thermal current     10 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 duick DIAZED fuse link     10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link     0.05 mm  Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7	of the supplied operating lever	3SE5000-0AA21
suitability for use safety switch  General technical data  product function positive opening  yes  insulation voltage rated value  degree of pollution  class 3  surge voltage resistance rated value  • 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  material of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  active principle  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  Yes  Yes  Yes  Yes  Yes  Yes  1000 V  Class 3  A 400 V  Class 3  SvY  Class 3  Surge voltage resistance  400 V	<ul> <li>of the supplied switching contacts</li> </ul>	3SE5000-0LA00
General technical data  product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP65 shock resistance • according to IEC 60068-2-27 30g / 11 ms 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 10 A material of the enclosure of the switch head reference code according to IEC 81346-2 continuous current of the C characteristic MCB active principle repeat accuracy 30g / 11 ms 100 000 100 00	<ul> <li>of the supplied empty enclosure with cover</li> </ul>	3SE5232-0AC05
product function positive opening  insulation voltage rated value  degree of pollution  class 3  surge voltage resistance rated value  • according to IEC 60068-2-27  vibration resistance  • according to IEC 60068-2-6  mechanical service life (operating cycles) at AC-15 at 230 V typical  thermal current  material of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  active principle  repeat accuracy  Substance Prohibitance (Date)  SYHC substance name  1 midazolidin-2-thion - 96-45-7	suitability for use safety switch	Yes
insulation voltage rated value  degree of pollution  class 3  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  thermal current  for the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  active principle  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  limidazolidin-2-thion - 96-45-7	General technical data	
degree of pollution  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  material of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  accontinuous current of the quick DIAZED fuse link gG  active principle  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  limidazolidin-2-thion - 96-45-7	product function positive opening	Yes
surge voltage resistance rated value 6 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) at AC-15 at 230 V typical 100 000  thermal current 10 A plastic 11 A; for a short-circuit current 10 A plastic 11 A; for a short-circuit current 11 A; for a short-circuit current 11 A; for a short-circuit current smaller than 400 A plastic 10 A; for a short-cir	insulation voltage rated value	400 V
protection class IP  shock resistance	degree of pollution	class 3
shock resistance	surge voltage resistance rated value	6 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  thermal current  material of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link  for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name   output  15 000 000  1	protection class IP	IP65
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  10 A  material of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link  active principle  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  0.35 mm/5g  100 000  100	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  material of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  to A; for a short-circuit current smaller than 400 A  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  active principle  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  0.35 mm/5g  10.0000  100 000  10	• according to IEC 60068-2-27	30g / 11 ms
mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current  10 A  material of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  tontinuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link  continuous current of the DIAZED fuse link gG  active principle  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  100 000  10	vibration resistance	
electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current  10 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  10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link  6 A  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7	• according to IEC 60068-2-6	0.35 mm/5g
thermal current  thermal current  10 A  material of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  tontinuous current of the quick DIAZED fuse link  tontinuous current of the plazed fuse link  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  tontinuous current of the DIAZED fuse link gG  active principle  mechanical	mechanical service life (operating cycles) typical	15 000 000
material of the enclosure of the switch head  reference code according to IEC 81346-2  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  10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link gG  6 A  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  07/01/2006  SVHC substance name  Imidazolidin-2-thion - 96-45-7		100 000
reference code according to IEC 81346-2  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  10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  07/01/2006  SVHC substance name  Imidazolidin-2-thion - 96-45-7	thermal current	10 A
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  continuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  SVHC substance name  1 A; for a short-circuit current smaller than 400 A  10 A; for a s	material of the enclosure of the switch head	plastic
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)  SVHC substance name  10 A; for a short-circuit current smaller than 400 A  6 A  mechanical  0.05 mm  07/01/2006	reference code according to IEC 81346-2	В
continuous current of the DIAZED fuse link gG  active principle mechanical  repeat accuracy 0.05 mm  Substance Prohibitance (Date) 07/01/2006  SVHC substance name Imidazolidin-2-thion - 96-45-7	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
active principle mechanical repeat accuracy 0.05 mm  Substance Prohibitance (Date) 07/01/2006  SVHC substance name Imidazolidin-2-thion - 96-45-7	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
repeat accuracy  0.05 mm  Substance Prohibitance (Date)  07/01/2006  SVHC substance name  Imidazolidin-2-thion - 96-45-7	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date)  O7/01/2006  SVHC substance name  Imidazolidin-2-thion - 96-45-7	active principle	mechanical
SVHC substance name Imidazolidin-2-thion - 96-45-7	repeat accuracy	0.05 mm
	Substance Prohibitance (Date)	07/01/2006
minimum actuating torque in directions of actuation 0.25 N·m	SVHC substance name	Imidazolidin-2-thion - 96-45-7
	minimum actuating torque in directions of actuation	0.25 N·m
length of the sensor 111.3 mm	length of the sensor	111.3 mm
width of the sensor 31 mm	width of the sensor	31 mm
Ambient conditions	Ambient conditions	
ambient temperature	ambient temperature	
• during operation -25 +85 °C	<ul> <li>during operation</li> </ul>	-25 +85 °C
• during storage -40 +90 °C	during storage	-40 +90 °C
explosion protection category for dust none	explosion protection category for dust	none

design of the switching contact	mechanical		
operating frequency rated value	50 60 Hz		
number of NC contacts for auxiliary contacts	2		
number of NO contacts for auxiliary contacts	1		
operational current at AC-15			
at 24 V rated value	6 A		
at 120 V rated value	6 A		
<ul> <li>at 240 V rated value</li> </ul>	6 A		
at 400 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		
at 400 V rated value	0.12 A		
inclosure			
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		
rive Head			
design of the actuating element	Twist lever, metal lever, 21 mm long, straight, plastic rol	ller 19 mm	
standard-compliant actuator head	EN 50047, design A		
shape of the switch head	roller		
design of the switching function	positive opening		
circuit principle	snap-action contacts		
number of switching contacts safety-related	2		
cable entry type	1x (M20 x 1.5)		
nstallation/ mounting/ dimensions			
mounting position	any		
fastening method	screw fixing		
Connections/ Terminals			
type of electrical connection	screw-type terminals		
type of connectable conductor cross-sections			
• solid	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)		
• for AWG cables solid	1x (20 16), 2x (20 18)		
• for AWG cables stranded	1x (20 16), 2x (20 18)		
design of the interface for safety-related communication	without		
Communication/ Protocol			
design of the interface	without		
Sertificates/ approvals			
General Product Approval		Functional Safety/Safety of M	

**General Product Approval** 

Functional Safety/Safety of Machinery





Confirmation





Type Examination Certificate

**Declaration of Conformity** 

**Test Certificates** 

other





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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5232-0LK21

Cax online generator

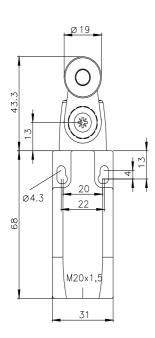
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-0LK21

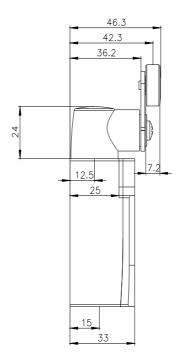
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

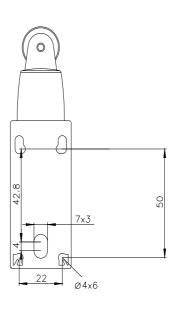
https://support.industry.siemens.com/cs/ww/en/ps/3SE5232-0LK21

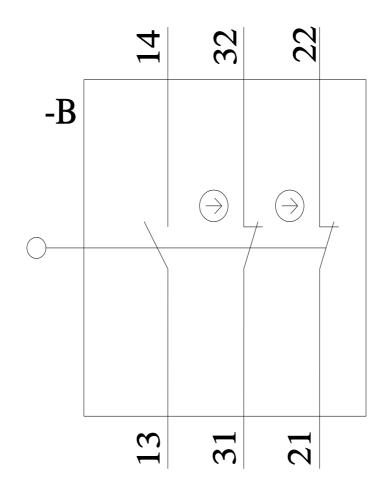
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5232-0LK21&lang=en









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