## **SIEMENS**

Data sheet 3SE5232-0CC05



position switch plastic enclosure according to EN 50047, 31 mm device connection 1 x (M20 x 1.5) 1 NO/1 NC, quick action contacts (replaceable), rounded plunger form B

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
<ul> <li>of the supplied switching contacts</li> </ul>	3SE5000-0CA00
<ul> <li>of the supplied empty enclosure with cover</li> </ul>	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	IP65
shock resistance	
<ul> <li>according to IEC 60068-2-27</li> </ul>	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
material of the enclosure of the switch head	plastic
reference code according to IEC 81346-2	В
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
minimum actuating force in directions of actuation	20 N
length of the sensor	75.7 mm
width of the sensor	31 mm
Ambient conditions	
ambient temperature	
during operation	-25 +85 °C
during storage	-40 +90 °C
explosion protection category for dust	none
design of the switching contact	mechanical
operating frequency rated value	50 60 Hz

number of NO contacts for auxiliary contacts		
operational current at AC-15         6 A           • at 24 V rated value         6 A           • at 120 V rated value         6 A           • at 400 V rated value         4 A           • at 400 V rated value         4 A           • at 125 V rated value         3 A           • at 1250 V rated value         0.55 A           • at 260 V rated value         0.27 A           • at 260 V rated value         0.12 A           • at 300 V rated value         0.12 A           • at 300 V rated value         0.27 A           • at 300 V rated value         0.12 A           • at 300 V rated value         0.12 A           • at 300 V rated value         0.27 A           • at 300 V rated value         0.	number of NC contacts for auxiliary contacts	1
		1
	•	
• at 240 V rated value         4 A           • at 400 V rated value         4 A           operational current at DC-13         - at 24 V rated value           • at 25 V rated value         0.55 A           • at 250 V rated value         0.12 A           • at 400 V rated value         0.12 A           • at 250 V rated value         0.12 A           • at 400 V rated value         0.12 A           • at 250 V rated value         0.12 A           • at 400 V rated value         0.12 A           • at 400 V rated value         0.12 A           • basset of the actualing element         plastic           • design of the actualing element         Rounded plunger, plastic plunger           • standard-compliant actuator head         EN 50047, design B           • shape of the switch head         pounded           • design of the actuating element         solive plastic plunger		
• at 400 V rated value         4 A           operational current at DC-13         3 A           • at 24 V rated value         0.55 A           • at 250 V rated value         0.27 A           • at 400 V rated value         0.12 A           eactosure         Westernow           design of the housing         block, narrow           material of the enclosure         plastic           design of the enclosure         Other types           design of the housing according to standard         Yes           Other types           design of the actuating element         Rounded plunger, plastic plunger           standard-compliant actuator head         EN 50047, design B           shape of the switch head         rounded           design of the switch head         rounded           divide the switching contacts safety-related         1           circuit principle         snap-action contacts           number of switching contacts safety-related         1           design of the interface         any           fastening method         screw fixing           connections / terminals         screw fixing           type of electrical connection         screw-type terminals           type of electrical connection         in (2		
at 24 V rated value 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3		
• at 24 V rated value	at 400 V rated value	4 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           Enclosure           design of the housing         block, narrow           material of the enclosure         plastic           coating of the nousing according to standard         Yes           Orive Head           design of the actuating element         Rounded plunger, plastic plunger           standard-compliant actuator head         EN 50047, design B           shape of the switch head         rounded           design of the switching function         positive opening           circuit principle         snap-action contacts           number of switching contacts safety-related         1           cable entry type         1x (M20 x 1.5)           restallation/ mounting /dimonsions         restallation/ mounting /dimonsions           Stream in a position           fastening method         screw-type terminals           Connections/ Terminals           type of electrical connection           solid         1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)           e finely stranded with core end processing         1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)           e for AWG cables	operational current at DC-13	
• at 250 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value    Second   Second	at 24 V rated value	3 A
e at 400 V rated value  Discriptions and a street of the housing and rate of the enclosure  design of the enclosure  Discription on the enclosure  Discripti	at 125 V rated value	0.55 A
design of the housing block, narrow material of the enclosure other types design of the enclosure Other types design of the housing according to standard Yes  Orive Head  design of the actuating element Rounded plunger, plastic plunger standard-compliant actuator head EN 50047, design B shape of the switch head rounded design of the switching function positive opening circuit principle snap-action contacts number of switching contacts safety-related 1 (M20 x 1.5)  nstallation/ mounting/ dimensions  mounting position any fastening method screw fixing  Connections/ Terminals  type of connectable conductor cross-sections e solid 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) e for AWG cables stranded design of the interface without  Communication/ Protocol  design of the interface without	at 250 V rated value	0.27 A
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 Rounded plunger, plastic plunger standard-compliant actuator head EN 50047, design B shape of the switch head rounded design of the switching function positive opening circuit principle snap-action contacts number of switching contacts safety-related 1 cable entry type 1x (M20 x 1.5)  Installation/ mounting/ dimensions  mounting position any fastening method screw fixing  Connections/ Terminals  type of electrical connection screw-type terminals  type of connectable conductor cross-sections	• at 400 V rated value	0.12 A
material of the enclosure coating of the enclosure design of the housing according to standard  Ves  Orive Head  design of the actuating element standard-compliant actuator head shape of the switch head rounded design of the switching function positive opening circuit principle snap-action contacts number of switching contacts safety-related cable entry type 1x (M20 x 1.5)  statillation/ mounting/ dimensions  mounting position fastening method screw fixing  Connections/ Terminals  type of connectable conductor cross-sections e solid e for AWG cables solid for AWG cables stranded  design of the interface for safety-related communication  without  without  without  without  without	Enclosure	
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design of the housing according to standard  Drive Head  design of the actuating element standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type 1x (M20 x 1.5)  nstallation/ mounting/ dimensions  mounting position fastening method  connections/ Terminals  type of electrical connection • solid • finely stranded with core end processing • for AWG cables stranded design of the interface  for side of the interface  without  communication/ Protocol  design of the interface  without	material of the enclosure	plastic
design of the actuating element Rounded plunger, plastic plunger standard-compliant actuator head EN 50047, design B shape of the switch head rounded design of the switching function positive opening circuit principle snap-action contacts number of switching contacts safety-related 1 cable entry type 1x (M20 x 1.5) nstallation/ mounting/ dimensions mounting position any fastening method screw fixing  Connections/ Terminals  type of connectable conductor cross-sections	coating of the enclosure	Other types
design of the actuating element standard-compliant actuator head shape of the switch head rounded design of the switching function positive opening circuit principle snap-action contacts number of switching contacts safety-related table entry type 1x (M20 x 1.5)  Installation/ mounting/ dimensions  mounting position fastening method screw fixing  Connections/ Terminals  type of electrical connection splid finely stranded with core end processing for AWG cables solid for AWG cables stranded design of the interface for safety-related communication  communication/ Protocol design of the interface  without	design of the housing according to standard	Yes
standard-compliant actuator head EN 50047, design B shape of the switch head rounded  design of the switching function positive opening circuit principle snap-action contacts number of switching contacts safety-related 1 cable entry type 1x (M20 x 1.5)  Installation/ 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) • finely stranded with core end processing 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) • for AWG cables solid 1x (20 16), 2x (20 18)  design of the interface for safety-related communication without  Communication/ Protocol  design of the interface without	Drive Head	
shape of the switch head  design of the switching function  circuit principle  number of switching contacts safety-related  cable entry type  1x (M20 x 1.5)  Installation/ mounting/ dimensions  mounting position  fastening method  connections/ Terminals  type of electrical connection  solid  finely stranded with core end processing  for AWG cables solid  for AWG cables stranded  design of the interface for safety-related communication  circuit principle  snap-action contacts  1x (M20 x 1.5)  1x (M20 x 1.5	design of the actuating element	Rounded plunger, plastic plunger
design of the switching function  circuit principle  number of switching contacts safety-related  1  cable entry type  1x (M20 x 1.5)  nstallation/ mounting/ dimensions  mounting position  any  fastening method  connections/ Terminals  type of electrical connection  soriew-type terminals  type of connectable conductor cross-sections  • solid  finely stranded with core end processing  for AWG cables solid  for AWG cables stranded  design of the interface  without	standard-compliant actuator head	EN 50047, design B
circuit principle number of switching contacts safety-related 1 cable entry type 1x (M20 x 1.5)  nstallation/ mounting/ dimensions  mounting position any fastening method connections/ Terminals  type of electrical connection type of connectable conductor cross-sections  • solid finely stranded with core end processing for AWG cables solid for AWG cables stranded type of confectable stranded type of the interface without  screw-type terminals  1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)  4x (20 16), 2x (20 18)	shape of the switch head	rounded
number of switching contacts safety-related  cable entry type  1x (M20 x 1.5)  nstallation/ mounting/ dimensions  mounting position  any  fastening method  connections/ Terminals  type of electrical connection  type of connectable conductor cross-sections  • solid  finely stranded with core end processing  for AWG cables solid  for AWG cables stranded  type of AWG cables stranded  type of the interface  without	design of the switching function	positive opening
cable entry type  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) • finely stranded with core end processing 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 design of the interface for safety-related communication  Communication/ Protocol  design of the interface without	circuit principle	snap-action contacts
mounting position fastening method connections/ Terminals  type of electrical connection  screw-type terminals  type of connectable conductor cross-sections  solid soli	number of switching contacts safety-related	1
mounting position fastening method screw fixing  Connections/ Terminals  type of electrical connection screw-type terminals  type of connectable conductor cross-sections  • solid finely stranded with core end processing for AWG cables solid for AWG cables stranded for A	cable entry type	1x (M20 x 1.5)
fastening method  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)  ● finely stranded with core end processing  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	Installation/ mounting/ dimensions	
type of electrical connection  screw-type terminals  type of connectable conductor cross-sections  • solid  • finely stranded with core end processing  • for AWG cables solid  • for AWG cables stranded  ty (20 16), 2x (20 18)  • for AWG cables stranded  tx (20 16), 2x (20 18)  design of the interface for safety-related communication  communication/ Protocol  design of the interface  without	mounting position	any
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)  • finely stranded with core end processing  • 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	fastening method	screw fixing
type of connectable conductor cross-sections  • solid  1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)  • finely stranded with core end processing  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	Connections/ Terminals	
<ul> <li>solid</li> <li>1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)</li> <li>finely stranded with core end processing</li> <li>1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)</li> <li>for AWG cables solid</li> <li>for AWG cables stranded</li> <li>1x (20 16), 2x (20 18)</li> <li>design of the interface for safety-related communication</li> <li>without</li> </ul> Communication/ Protocol without	type of electrical connection	screw-type terminals
<ul> <li>finely stranded with core end processing</li> <li>for AWG cables solid</li> <li>for AWG cables stranded</li> <li>for AWG cables stranded</li> <li>for AWG cables stranded</li> <li>for AWG cables stranded</li> <li>without</li> </ul> Communication/ Protocol Without without	type of connectable conductor cross-sections	
◆ for AWG cables solid     ↑x (20 16), 2x (20 18)     ◆ for AWG cables stranded     ↑x (20 16), 2x (20 18)  design of the interface for safety-related communication  without  design of the interface  without	• solid	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
• for AWG cables stranded  1x (20 16), 2x (20 18)  design of the interface for safety-related communication  without  design of the interface  without	<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
design of the interface for safety-related communication without  Communication/ Protocol  design of the interface without	• for AWG cables solid	1x (20 16), 2x (20 18)
Communication/ Protocol  design of the interface without	• for AWG cables stranded	1x (20 16), 2x (20 18)
design of the interface without	design of the interface for safety-related communication	without
	Communication/ Protocol	
	design of the interface	without
	Certificates/ approvals	

General Product Approval



Confirmation





<u>KC</u>



Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

other

Type Examination Certificate



CE EG-Konf. Type Test Certificates/Test Report Confirmation

## Further information

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

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

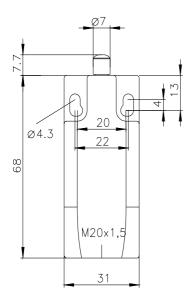
Industry Mall (Online ordering system)
<a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5232-0CC05">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5232-0CC05</a>

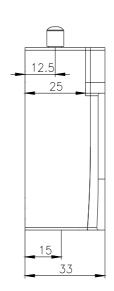
Cax online generator

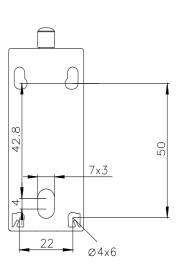
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-0CC05

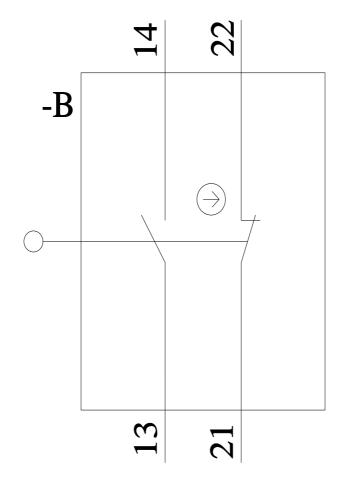
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5232-0CC05&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5232-0CC05&lang=en</a>









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