## **SIEMENS**

Data sheet 3SE5232-0HF10



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 integrated (not replaceable) Angular roller lever with plastic roller 13 mm

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
<ul> <li>of the supplied actuator head for position switches</li> </ul>	3SE5000-0AF10
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	10 N
length of the sensor	90.5 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 NC contacts for auxiliary contacts	1

design of the housing block, narrow plastic coating of the enclosure Other types  design of the housing according to standard Yes  Prive Head  design of the actuating element Roller lever, metal lever, plastic roller  standard-compliant actuator head EN 50047  shape of the switching function positive opening, integrated circuit principle snap-action contacts  number of switching contacts safety-related 1  cable entry type 1 x (M20 x 1.5)  Installation/ mounting/ dimensions  mounting position any 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)  if inely stranded with core end processing 1x (20 16), 2x (20 18)  of or AWG cables stranded design of the interface without Eortrificates/ approvals	number of NO contacts for auxiliary contacts	1	
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	at 24 V rated value	6 A	
operational current at DC-13  ot 24 V rated value ot 250 V rated value o	<ul> <li>at 120 V rated value</li> </ul>	6 A	
e at 24 V rated value 3 A	<ul> <li>at 240 V rated value</li> </ul>	6 A	
at 24 V rated value at 125 V rated value at 250 V rated value 2.7 A at 400 V rated value 2.12 A  eat 400 V rated value 2.12 A  design of the housing material of the enclosure coating of the enclosure design of the housing according to standard  Ves  Drive Head  design of the actuating element standard-compliant actuator head standard-compliant actuator 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 any fastening method  connections/ Terminals  type of connectable conductor cross-sections a for AWG cables solid for AWG cables stranded  design of the interface  without  corruiting terminals  type of the interface  without  corruiting terminals  type of the interface  without  without  corruiting terminals  without  corruiting terminals  without  without  corruiting terminals  without  corruiting of the interface  without  corruiting terminals  without	at 400 V rated value	4 A	
at 125 V rated value at 250 V rated value at 250 V rated value at 250 V rated value at 260 V rated value at 400 V rated value  beneforum  design of the housing material of the enclosure  design of the housing material of the enclosure  design of the housing according to standard  Pes  Other types  design of the housing according to standard  Ves  Other types  design of the actuating element  Roller lever, metal lever, plastic roller  standard-compliant actuator head  EN 50047  shape of the switch head  design of the switch head  roller  design of the switching function  positive opening, integrated  circuit principle  number of switching contacts safety-related  1  cable entry type  1x (M20 x 1.5)  restallation/ mounting/ dimensions  mounting position  fastening method  connections/ Terminals  type of electrical connection  type of connectable conductor cross-sections  solid  ininely stranded with core end processing  for AWG cables solid  for AWG cables stranded  design of the interface owithout  control of the interface  without	operational current at DC-13		
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e at 400 V rated value  Costing of the housing material of the enclosure coating of the enclosure design of the housing according to standard  Pes  Orive Head  Costing of the actuating element standard-compliant actuator head shape of the switch head design of the switching function circuit principle snap-action contacts number of switching contacts safety-related cable entry type actually dimensions  mounting position fastening method  Connections/ Torminals type of connectable conductor cross-sections e for AWG cables stranded esign of the interface owithout  of approvals  connections/ Forocool  design of the interface without  of a 400 V rate of wall only a fine of the switching function  on 1,2 A  Olock, narrow  plastic  Dilock, narrow  block, narrow  block, narrow  plastic  Other types Other types  Other types  Other types  Asoler lever, metal lever, plastic roller  Roller lever, metal lever, plastic roller  Set of No047  Test of lever, metal lever, plastic roller  Test of No047  Test of lever, metal lever, plastic roller  Asoler lever, metal lever, plastic roller  Test of No047  Test of lever, metal lever, plastic roller  Test of No047  Test of lever, metal lever, plastic roller  Test of No047  T	<ul> <li>at 125 V rated value</li> </ul>	0.55 A	
design of the housing block, narrow plastic coating of the enclosure Other types design of the housing according to standard Yes  Drive Head Beign of the actuating element Roller lever, metal lever, plastic roller standard-compliant actuator head PN 50047 shape of the switching function positive opening, integrated circuit principle snap-action contacts number of switching contacts safety-related 1 (M20 x 1.5) statistical lation/mounting/dimensions  mounting position any screw fixing Connections/ Terminals  type of electrical connection screw-type terminals  type of electrical connection screw-type terminals  type of electrical connection screw-type terminals  type of electrical connection (N20 x 1.5 mm²), 2x (0.5 0.75 mm²) (o.5 1.5 mm²), 2x (0.5 0.75 mm²) (o.5 connections/ Ter AWG cables stranded (o.5 connections/ Ter AWG cables stranded (o.5 connections/ Terminals) (o.5 connections/ Termi	at 250 V rated value	0.27 A	
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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 installation/ mounting/ dimensions  mounting position fastening method  Connections/ Terminals  type of electrical connection • solid • finely stranded with core end processing • for AWG cables stranded • for AWG cables stranded design of the interface  Continuation of the interface  without  Continuation of the interface of the interface  Without  Continuation of the interface of the interface  Without  Continuation of the interface	material of the enclosure	plastic	
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  any  fastening method  connections/ Terminals  type of connectable conductor cross-sections  • solid  • finely stranded with core end processing  • for AWG cables stranded  design of the interface  communication/ Protocol  design of the interface  Roller lever, metal lever, plastic roller  Roller lever, metal lever, plastic roller  EN 50047  roller  Roller lever, metal lever, plastic roller  EN 50047  solutar  I Sulver, plastic roller  snap-action contacts  1x (M20 x 1.5)  1x (M20 x 1.5)  snap-action contacts  1x (M20 x 1.5)  1x	coating of the enclosure	Other types	
standard-compliant actuator head 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 1x (M20 x 1.5)  Installation/ mounting/ dimensions mounting position 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 design of the interface for safety-related communication  Communication/ Protocol  design of the interface  without  Certificates/ approvals	design of the housing according to standard	Yes	
standard-compliant actuator head 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 1x (M20 x 1.5)  Installation/ mounting/ dimensions mounting position 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 design of the interface for safety-related communication  Communication/ Protocol  design of the interface  without  Certificates/ approvals	Drive Head		
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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  Conmunication/ Protocol  design of the interface  without	standard-compliant actuator head	EN 50047	
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  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 AWG cables stranded  design of the interface for safety-related communication  Communication/ Protocol  design of the interface  without	shape of the switch head	roller	
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  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  communication/ Protocol  design of the interface  without	design of the switching function	positive opening, integrated	
cable entry type 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) • for AWG cables stranded 1x (20 16), 2x (20 18)  design of the interface for safety-related communication  Communication/ Protocol  design of the interface without	circuit principle	snap-action contacts	
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mounting position 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 1x (20 16), 2x (20 18) design of the interface for safety-related communication  Communication/ Protocol  design of the interface without  Certificates/ approvals	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  • 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  Communication/ Protocol  design of the interface  without  Certificates/ approvals	Installation/ mounting/ dimensions		
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  •	mounting position	any	
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  Communication/ Protocol  design of the interface  without  Certificates/ approvals	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  Communication/ Protocol  design of the interface  without  Certificates/ approvals	Connections/ Terminals		
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  Communication/ Protocol  design of the interface  without  Certificates/ approvals	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 strand</li></ul>	type of connectable conductor cross-sections		
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  Communication/ Protocol  design of the interface  Without  Certificates/ approvals	• 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  Communication/ Protocol  design of the interface  Without  Certificates/ approvals	<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  Certificates/ approvals	<ul> <li>for AWG cables solid</li> </ul>	1x (20 16), 2x (20 18)	
Communication/ Protocol  design of the interface without  Certificates/ approvals	<ul> <li>for AWG cables stranded</li> </ul>	1x (20 16), 2x (20 18)	
design of the interface without  Certificates/ approvals	design of the interface for safety-related communication	without	
Certificates/ approvals	Communication/ Protocol		
	design of the interface	without	
Functional	Certificates/ approvals		
T dilotional			Functional

## **General Product Approval**

Safety/Safety of Ma-chinery





Confirmation





Type Examination Cer-tificate

**Declaration of Conformity** 

**Test Certificates** 

other





Type Test Certificates/Test Report

Confirmation

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

<u>n-russian-business</u>

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

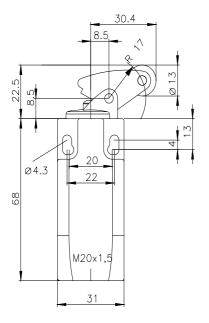
Industry Mall (Online ordering system)

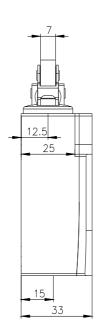
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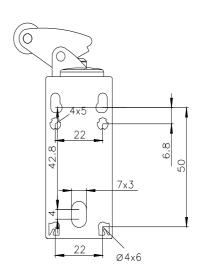
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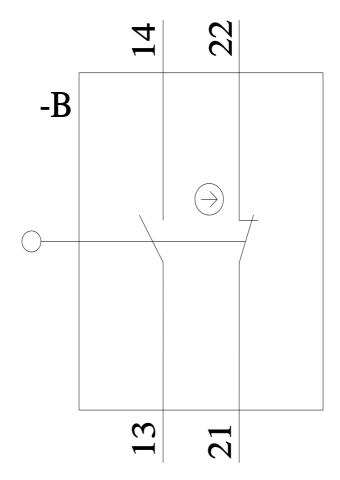
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5232-0HF10

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









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