SIEMENS

Data sheet 3SE5232-0BC05



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

product function positive opening Yes insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6kV 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 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 1A; 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 G 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	product brand name	SIRIUS
manufacturer's article number of the supplied switching contacts of the supplied empty enclosure with cover suitability for use safety switch yes Ceneral technical data product function positive opening insulation voltage rated value degree of pollution class IP shock resistance o according to IEC 60068-2-27 according to IEC 60068-2-27 according to IEC 60068-2-27 according to IEC 60068-2-27 benefat current file (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current thermal current thermal current of the duck DIAZED fuse link Continuous current of the Characteristic MCB Activity incline incl	product designation	Mechanical position switches
manufacturer's article number of the supplied switching contacts of the supplied empty enclosure with cover suitability for use safety switch yes Ceneral technical data product function positive opening insulation voltage rated value degree of pollution class IP shock resistance o according to IEC 60068-2-27 according to IEC 60068-2-27 according to IEC 60068-2-27 according to IEC 60068-2-27 benefat current file (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current thermal current thermal current of the duck DIAZED fuse link Continuous current of the Characteristic MCB Activity incline incl		·
• of the supplied empty enclosure with cover suitability for use safety switch Foroural tochnical data product function positive opening product function positive opening product function positive opening degree of pollution dess 3 surge voltage resistance rated value 6 kV protection class IP protect		
suitability for use safety switch General technical data product function positive opening 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 60068-2-27 vibration resistance according to IEC 60068-2-8 mechanical service life (operating cycles) typical thermal current thermal current thermal current thermal current of the C characteristic MCB continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link G continuous current of the DIAZED fuse link G continuous current of the DIAZED fuse link G continuous current of the DIAZED fuse link G substance Prohibitance (Date) substance Prohibitance (Date)	of the supplied switching contacts	3SE5000-0BA00
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 e according to IEC 60068-2-7 30g / 11 ms vibration resistance e according to IEC 60068-2-8 0.35 mm/5g mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical 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 pulcx DIAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.05 mm substance Prohibitance (Date) 70/10/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 31 mm Ambient conditions ambient temperature e during operation - 40 mechanical explosion protection category for dust none design of the switching contact mechanical explosion protection category for dust none	of the supplied empty enclosure with cover	3SE5232-0AC05
product function positive opening Yes insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 ktV protection class IP IP65 shock resistance • according to IEC 60068-2-27 30g / 11 ms vibration resistance • according to IEC 60068-2-26 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 B continuous current of the C characteristic MCB 1A; 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 G 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 0.701/2006 SUHS 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 temperatur • during operation • c25 +85 °C explosion protection category for dust 600 mone design of the switching contact 600 mechanical	suitability for use safety switch	Yes
insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP shock resistance	General technical data	
degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP 1P65 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 electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance of the switch head plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1A; 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 (20 G A active principle mechanical erepeat 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 35.7 mm width of the sensor 35	product function positive opening	Yes
surge voltage resistance rated value 6 kV protection class IP	insulation voltage rated value	400 V
protection class IP IP65 shock resistance	degree of pollution	class 3
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 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 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G 6 A active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) 3VHC 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 Arabient conditions ambient temperature 4 during operation 4 during operation 4 during storage 4 du +90 °C explosion protection category for dust mechanical mechanical mechanical mechanical	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 thermal current thermal current thermal current to 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 Accontinuous current of the Quick DIAZED fuse link Continuous current of the Quick DIAZED fuse link Continuous current of the DIAZED fuse link G Active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name minimum actuating force in directions of actuation length of the sensor 75.7 mm width of the sensor width of the sensor ambient temperature during operation during storage 40 +90 °C explosion protection category for dust explosion protection category for dust co.35 mm/5g 15 000 000 10 00	protection class IP	IP65
vibration resistance	shock resistance	
e according to IEC 60068-2-6 mechanical service life (operating cycles) typical 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 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 continuous current of the DIAZED fuse link G active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor width of the sensor 31 mm Ambient conditions ambient temperature e during operation e during storage evalumed sonale design of the switching contact mechanical	 according to IEC 60068-2-27 	30g / 11 ms
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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 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) 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	mechanical service life (operating cycles) typical	15 000 000
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 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 length of the sensor 75.7 mm width of the sensor width of the sensor 31 mm Ambient conditions ambient temperature e during operation e during storage explosion protection category for dust design of the switching contact mechanical		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 6 A active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) 5VHC 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 • during storage -40 +90 °C explosion protection category for dust mechanical	thermal current	10 A
continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link 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 Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 75.7 mm width of the sensor 31 mm Ambient conditions ambient temperature • during operation • during storage -25 +85 °C • during storage explosion protection category for dust design of the switching contact mechanical	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 Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor vidth of the sensor Ambient conditions ambient temperature o during operation other in the sensor e during storage explosion protection category for dust design of the switching contact 10 A; for a short-circuit current smaller than 400 A 6 A active principle mechanical 10 A; for a short-circuit current smaller than 400 A 6 A active principle mechanical 10 A; for a short-circuit current smaller than 400 A 6 A active principle mechanical	reference code according to IEC 81346-2	В
continuous current of the DIAZED fuse link gG active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) 5VHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor vidth of the sensor width of the sensor 41 mm Ambient conditions ambient temperature o during operation during storage -40 +90 °C explosion protection category for dust mechanical	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 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	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
repeat accuracy Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor width of the sensor 31 mm Ambient conditions ambient temperature • during operation • during storage -40 +90 °C explosion protection category for dust design of the switching contact 0.05 mm 07/01/2006 20 N 75.7 mm 31 mm -25 +85 °C -40 +90 °C explosion protection category for dust mechanical	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date) 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 • during storage -40 +90 °C explosion protection category for dust design of the switching contact 07/01/2006 20 N 75.7 mm 31 mm -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical	active principle	mechanical
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 • during storage -40 +90 °C explosion protection category for dust design of the switching contact Imidazolidin-2-thion - 96-45-7 20 N 75.7 mm 31 mm -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical	repeat accuracy	0.05 mm
minimum actuating force in directions of actuation 20 N 1	Substance Prohibitance (Date)	07/01/2006
length of the sensor width of the sensor 31 mm Ambient conditions ambient temperature o during operation during storage explosion protection category for dust design of the switching contact 75.7 mm 75	SVHC substance name	Imidazolidin-2-thion - 96-45-7
width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust design of the switching contact 31 mm -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical	minimum actuating force in directions of actuation	20 N
Ambient conditions ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust design of the switching contact mechanical	length of the sensor	75.7 mm
ambient temperature • during operation • during storage • during storage • 40 +90 °C explosion protection category for dust design of the switching contact none mechanical	width of the sensor	31 mm
 ◆ during operation ◆ during storage ←40 +90 °C explosion protection category for dust design of the switching contact mechanical 	Ambient conditions	
• during storage -40 +90 °C explosion protection category for dust design of the switching contact mechanical	ambient temperature	
explosion protection category for dust none design of the switching contact mechanical	 during operation 	-25 +85 °C
design of the switching contact mechanical	during storage	-40 +90 °C
	explosion protection category for dust	none
operating frequency rated value 50 60 Hz	design of the switching contact	mechanical
	operating frequency rated value	50 60 Hz

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number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	1
operational current at AC-15	
at 24 V rated value	6 A
	6 A
at 120 V rated value	
at 240 V rated value	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
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	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	slow-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)
• 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
Certificates/ approvals	

General Product Approval



Confirmation





<u>KC</u>



Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

other

Type Examination Certificate



CE

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

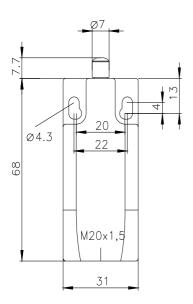
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5232-0BC05

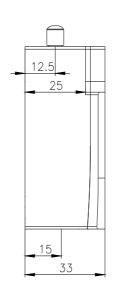
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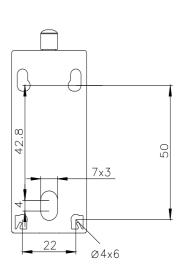
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-0BC05

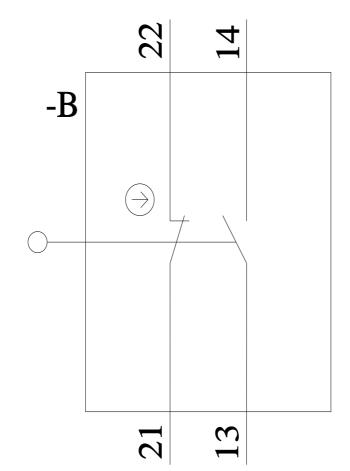
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5232-0BC05&lang=en









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