SIEMENS

Data sheet 3SE5162-0BD02



Position switch Position switch 3SE5162 Metal enclosure XL, 56 mm wide with roller plunger, made of Stainless steel roller 13 mm Device connection 3 x (M20 x 1.5) 2 x (1 NO/1 NC) Slow-action contacts IP66/IP67

product type designation manufacturer's article number • of the supplied basic switch • of the supplied actuator head for position switches • of the supplied awitching contacts • of the supplied empty enclosure with cover suitability for use safety switch product function positive opening respectively actuated value degree of pollution surge voltage resistance rated value • according to IEC 60068-2-27 wibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical metal of the enclosure of the switch head reference code according to IEC 81346-2 EMBAGE SET 14 A 500 Control to Canada Canada Control to Canada	Jamatlan	
manufacturer's article number of the supplied basic switch of the supplied actuator head for position switches of the supplied actuator head for position switches of the supplied actuator head for position switches of the supplied switching contacts of the supplied empty enclosure with cover sitability 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 of kV protection class IP shock resistance o according to IEC 60068-2-7 shock resistance o 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 B	signation	Mechanical position switches
of the supplied basic switch of the supplied actuator head for position switches of the supplied switching contacts of the supplied switching contacts the supplied empty enclosure with cover suitability for use safety switch Yes General technical data product function positive opening Yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value frotection 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 B service SE5000-0AD02 3SE5000-0AD02 3SE5000-0BA00 3SE5000-0AD02 3SE5000-0AD00 4000 4000 4000 4000 4000 4000 4000	e designation	3SE5
of the supplied actuator head for position switches of the supplied switching contacts of the supplied empty enclosure with cover 3SE5000-0BA00, 1x 3SE5060-0BA00 suitability for use safety switch Yes General technical data product function positive opening 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 shock resistance according to IEC 60068-2-6 insulation resistance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current insulation voltage rated value insulation voltage rated value insulation voltage resistance insulation voltage resistance rated value insulation voltage rated value ins	er's article number	
of the supplied switching contacts of the supplied empty enclosure with cover 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 o 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 B 1x 3SE5000-0BA00, 1x 3SE5060-0BA00 3SE5162-0AA00 Yx 3SE5060-0BA00 3SE5162-0AA00 Yes 3CE5162-0AA00 Yes 3SE5162-0AA00 Yes 3OE / III A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	supplied basic switch	3SE5162-0BA00
of the supplied empty enclosure with cover suitability for use safety switch 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 IP66/IP67 shock resistance	supplied actuator head for position switches	3SE5000-0AD02
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 6 kV protection class IP lP66/IP67 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 10 A material of the enclosure of the switch head reference code according to IEC 81346-2 B	supplied switching contacts	1x 3SE5000-0BA00, 1x 3SE5060-0BA00
product function positive opening produc	supplied empty enclosure with cover	3SE5162-0AA00
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 material of the enclosure of the switch head reference code according to IEC 81346-2 Yes 400 V class 3 SUP IP66/IP67 30g / 11 ms 0.35 mm/5g 5 000 000 1	use safety switch	Yes
insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP66/IP67 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 B 400 V class 3 6 kV IP66/IP67 30g / 11 ms vibration resistance according to IEC 60068-2-6 0.35 mm/5g 100 000 1	nical data	
degree of pollution surge voltage resistance rated value protection class IP IP66/IP67 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 10 A material of the enclosure of the switch head reference code according to IEC 81346-2 B	tion positive opening	Yes
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 10 A material of the enclosure of the switch head reference code according to IEC 81346-2 B	oltage rated value	400 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 thermal current material of the enclosure of the switch head reference code according to IEC 81346-2 IP66/IP67 30g / 11 ms 0.35 mm/5g 100 000 100	ollution	class 3
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 30g / 11 ms 0.35 mm/5g 100 000	ge 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 material of the enclosure of the switch head reference code according to IEC 81346-2 30g / 11 ms 0.35 mm/5g 100 000	class IP	IP66/IP67
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	tance	
mechanical service life (operating cycles) typical 5 000 000 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 metal reference code according to IEC 81346-2 B	ding to IEC 60068-2-27	30g / 11 ms
electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current naterial of the enclosure of the switch head reference code according to IEC 81346-2 B	sistance according to IEC 60068-2-6	0.35 mm/5g
typical thermal current 10 A material of the enclosure of the switch head metal reference code according to IEC 81346-2 B	service life (operating cycles) typical	5 000 000
material of the enclosure of the switch head metal reference code according to IEC 81346-2 B	ndurance (operating cycles) at AC-15 at 230 V	100 000
reference code according to IEC 81346-2 B	rent	10 A
3	the enclosure of the switch head	metal
continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A	ode according to IEC 81346-2	В
	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	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	current of the DIAZED fuse link gG	6 A
active principle mechanical	iple	mechanical
repeat accuracy 0.05 mm	racy	0.05 mm
Substance Prohibitance (Date) 07/01/2006	Prohibitance (Date)	07/01/2006
SVHC substance name Imidazolidin-2-thion - 96-45-7	tance name	Imidazolidin-2-thion - 96-45-7
minimum actuating force in directions of actuation 30 N	ctuating force in directions of actuation	30 N
length of the sensor 138.3 mm	e sensor	138.3 mm
width of the sensor 56 mm	sensor	56 mm
Ambient conditions	ditions	
ambient temperature	nperature	
• during operation -25 +85 °C	g operation	-25 +85 °C
• during storage -40 +90 °C	y storage	-40 +90 °C
explosion protection category for dust none	rotection category for dust	none
design of the switching contact mechanical	ne 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	2	
operational current at AC-15		
at 24 V rated value	6 A	
• at 125 V rated value	6 A	
• 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, wide	
material of the enclosure	metal	
coating of the enclosure	cathodic dip coating	
design of the housing according to standard	No	
Drive Head		
design of the actuating element	Roller plunger, high-grade steel roller	
standard-compliant actuator head	EN 50041, design C	
shape of the switch head	roller	
design of the switching function	positive opening	
circuit principle	slow-action contacts	
number of switching contacts safety-related	2	
cable entry type	3x (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		Functional Safety/Safety of Ma- chinery



Confirmation







Type Examination Certificate

Declaration of Conformity

Test Certificates

other



Type Test Certificates/Test Report

Confirmation

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=3SE5162-0BD02

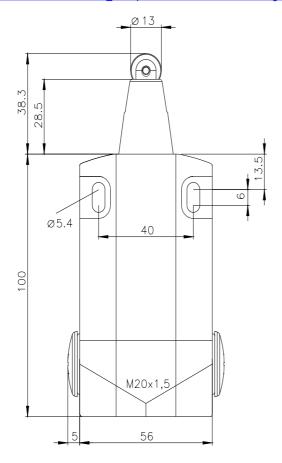
Cax online generator

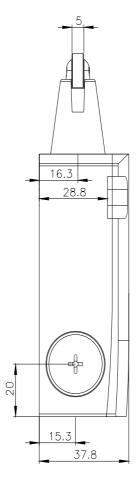
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0BD02

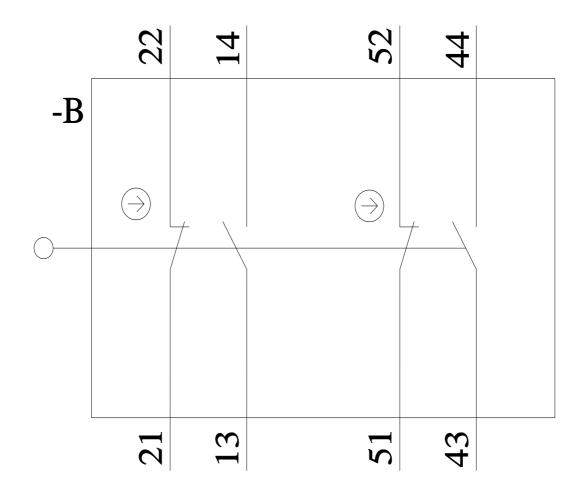
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0BD02

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0BD02&lang=en







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