SIEMENS

Data sheet 3SE5132-0BD05



Position switch Plastic enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC slow-action contacts Roller plunger with Plastic roller 13 mm

product type designation	product brand name	SIRIUS
manufacturer's article number of the supplied basic switch of the supplied switch head for position switches of the supplied switching contacts of the supplied empty enclosure with cover of the supplied empty enclosure with cover of the supplied switching contacts of the supplied empty enclosure with cover of the supplied empty enclosure of the switch end or enclosure of the switch head reference code according to IEC 81346-2 B continuous current of the C characteristic MCB ontinuous current of the C characteristic MCB ontinuous current of the DIAZED fuse link ontinuous current of the DIAZED fuse link of A continuous current of the DIAZED fuse link of	product designation	Mechanical position switches
manufacturer's article number of the supplied basic switch of the supplied switch head for position switches of the supplied switching contacts of the supplied empty enclosure with cover of the supplied empty enclosure with cover of the supplied switching contacts of the supplied empty enclosure with cover of the supplied empty enclosure of the switch end or enclosure of the switch head reference code according to IEC 81346-2 B continuous current of the C characteristic MCB ontinuous current of the C characteristic MCB ontinuous current of the DIAZED fuse link ontinuous current of the DIAZED fuse link of A continuous current of the DIAZED fuse link of	product type designation	3SE5
of the supplied actuator head for position switches 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 degree of pollution degree of pollution dess 3 surge voltage resistance rated value		
of the supplied empty enclosure with cover 38E5132-0AA00 of the supplied empty enclosure with cover 38E5132-0AA00 suitability for use safety switch Yes Ceneral 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	of the supplied basic switch	3SE5132-0BA00
of the supplied empty enclosure with cover suitability for use safety switch Pres General technical data	of the supplied actuator head for position switches	3SE5000-0AD05
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 60068-2-6 according to IEC 60068-2-7 vibration resistance according to IEC 60068-2-6 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 continuous current of the C characteristic MCB 1 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 Substance Prohibitance (Date) SVHC substance name minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient emperature • during operation • during storage avenues a 400 v yes 400 v Yes 100 000 156677 1670701/2006 1670701/2	of the supplied switching contacts	3SE5000-0BA00
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 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) 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 continuous current of the DIAZED fuse link G active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 70701/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage -40 +90 °C explosion protection category for dust	of the supplied empty enclosure with cover	3SE5132-0AA00
product function positive opening 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 coording to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) 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 Characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the QIAZED fuse link continuous current of the DIAZED fuse link gG active principle 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 40 mm Ambient conditions ambient conditions ambient conditions ambient emperature e during operation e during storage 40 +90 °C explosion protection category for dust	suitability for use safety switch	Yes
Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP protection class IP protection class IP according to IEC 60068-2-27 30g / 11 ms vibration resistance according to IEC 60068-2-6 according to IEC 60068-2-6 30g / 11 ms vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical lelectrical 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 mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 3VHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage 40 +90 °C explosion protection category for dust	General technical data	
degree of pollution surge voltage resistance rated value 6 kV protection class IP shock resistance • according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical lectrical 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 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) SVHC substance name minimum actuating force in directions of actuation length of the sensor 40 mm Ambient conditions ambient temperature e during operation e during storage explosion protection category for dust	product function 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 plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 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 for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 77/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 40 mm Ambient conditions ambient temperature e during operation e during storage 40 +90 °C explosion protection category for dust	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 10 A material of the enclosure of the switch head plastic 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 mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) SVHC substance name minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation current sensor substance during storage explosion protection category for dust 15 000 000 100 00 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 00 1	protection 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 plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 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 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 00.5 mm continuous current of the DIAZED fuse link gG active principle 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 40 mm Ambient conditions ambient temperature during operation -25 +85 °C during storage -40 +90 °C explosion protection category for dust	shock resistance	
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 continuous current of the DIAZED fuse link gG active principle repeat accuracy Substance Prohibitance (Date) SYHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust	 according to IEC 60068-2-27 	30g / 11 ms
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 continuous current of the DIAZED fuse link G active principle repeat accuracy Substance Prohibitance (Date) SYHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust	vibration resistance according to IEC 60068-2-6	0.35 mm/5g
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 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 40 mm Ambient conditions ambient temperature e during operation -25 +85 °C -40 +90 °C explosion protection category for dust	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 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 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 width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust		100 000
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 Quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle repeat accuracy Substance Prohibitance (Date) SYHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor in the sensor 40 mm Ambient conditions amblent temperature • during operation • during storage explosion protection category for dust 1 A; for a short-circuit current smaller than 400 A 1 A A A 1 A A A 1 A A A 1 A A A 1 A A A 1 A A A 1 A A A 1 A A A 1 A A A 1 A A A 1 A A A	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 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 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 10 A; for a short-circuit current smaller than 400 A 10 A; for a short-circuit current smaller	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 Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 10 A; for a short-circuit current smaller than 400 A 6 A active principle mechanical mechanical 0.05 mm 20 N 116.3 mm 40 mm 40 mm -25 +85 °C -40 +90 °C explosion protection category for dust	reference code according to IEC 81346-2	В
continuous current of the DIAZED fuse link gG active principle 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 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust o 0.05 mm mechanical mechanical mechanical 0.05 mm 40 N 1midazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N 40 mm 40 mm	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 116.3 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust	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 vidth of the sensor 40 mm Ambient conditions ambient temperature during operation during storage explosion protection category for dust 0.05 mm 07/01/2006 1midazolidin-2-thion - 96-45-7 116.3 mm 40 mm 40 mm	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 minimum actuating force in directions of actuation 20 N length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 07/01/2006 1midazolidin-2-thion - 96-45-7 20 N 40 mm 40 mm 40 mm	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 116.3 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none	repeat accuracy	0.05 mm
minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 20 N 116.3 mm 40 mm 40 mm	Substance Prohibitance (Date)	07/01/2006
length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust 116.3 mm 40 mm -25 +85 °C -40 +90 °C	SVHC substance name	Imidazolidin-2-thion - 96-45-7
width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust • during	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	length of the sensor	116.3 mm
ambient temperature ● during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none	width of the sensor	40 mm
 during operation during storage explosion protection category for dust -25 +85 °C -40 +90 °C none	Ambient conditions	
• during storage -40 +90 °C explosion protection category for dust none	ambient temperature	
explosion protection category for dust none	 during operation 	-25 +85 °C
	during storage	-40 +90 °C
design of the switching contact mechanical	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	
number of NO contacts for auxiliary contacts	1	
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, 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	Roller plunger, plastic 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	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		Functional Safety/Safety of Ma- chinery





Confirmation





Type Examination Certificate

Declaration of Conformity

other





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=3SE5132-0BD05

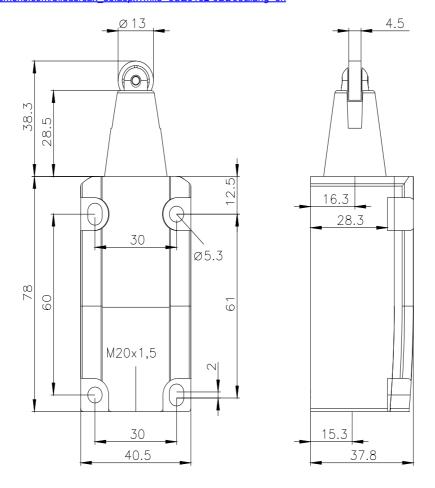
Cax online generator

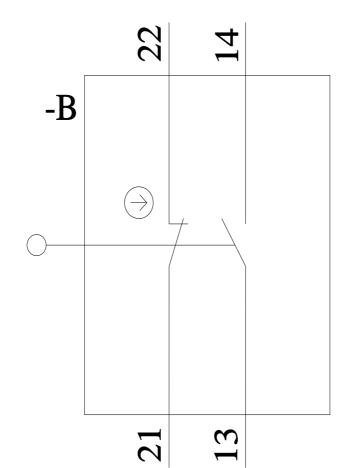
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5132-0BD05

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5132-0BD05

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5132-0BD05&lang=en





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