SIEMENS

Data sheet 3SE5122-0LD02



Position switch Metal enclosure 56 mm wide Device connection 3x (M20x 1.5) 1 NO/2 NC quick action contacts Roller plunger with Stainless steel roller 13 mm

product designation product type designation product type designation 3SE5 **Of the supplied basic switch of the supplied basic switch of the supplied subtain product switches of the supplied witching contacts of the supplied switching contact of the supplied switching contact of the supplied switching contact surge voltage resistance opening of the switching contact of the switching contact	product brand name	SIRIUS
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 empty enclosure with cover ssE5500-0AD02 suitability for use safety switch or of the supplied empty enclosure with cover ssE5122-0AA00 suitability for use safety switch Product function positive opening Yes Insulation vortage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP roduct strain according to IEC 60068-2-7 or significant or strain according to IEC 60068-2-8 or significant according to IEC 60068-2-8 or significant according to IEC 60068-2-8 electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) typical 15 000 000 1	product designation	Mechanical position switches
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 devitching contacts of the supplied witching contacts of the su	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 Pes General technical data product function positive opening Insulation voltage rated value degree of pollution disass 3 surge voltage resistance rated value degree of pollution disass 3 surge voltage resistance rated value	manufacturer's article number	
of the supplied empty enclosure with cover a ssEs102-0AA00 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 6kV protection class IP IP66/IP67 shock resistance	of the supplied basic switch	3SE5122-0LA00
of the supplied empty enclosure with cover suitability for use safety switch Pres General technical data	 of the supplied actuator head for position switches 	3SE5000-0AD02
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 protection class IP shock resistance • according to IEC 60068-2-27 1P66/IP67 30g / 11 ms 100 000 30g / 11 ms 30g	 of the supplied switching contacts 	3SE5000-0LA00
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 metal 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 g active principle mechanical repeat accuracy 0.05 mm Substance name Imidazolidin-2-thion - 96-45-7 width of the sensor Ambient conditions ambient temperature • during operation • during storage -40 +90 °C explosion protection category for dust	 of the supplied empty enclosure with cover 	3SE5122-0AA00
product function positive opening Pres Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP Pre66/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) 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 gG active principle repeat accuracy Substance Prohibitance (Date) SVHC substance name minimum actuating force in directions of actuation length of the sensor width of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor width of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor width of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 20 N length of the sensor short-circuit current smaller than 400 A 10 A; for a short-circuit current smaller	suitability for use safety switch	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 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 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 pulck DIAZED fuse link 0 A 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 4mbient temperature • during operation • during storage 440 +90 °C explosion protection category for dust	General technical data	
degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP66/IP67 shock resistance	product function positive opening	Yes
surge voltage resistance rated value 6 kV protection class IP IP66/IP67 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 15 000 000 thermal current 10 A material of the enclosure of the switch head metal 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) 77/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 56 mm Ambient conditions ambient temperature 40 uning operation -25 +85 °C 40 uning operation -25 +85 °C 40 uning operation -24 +90 °C explosion protection category for dust	insulation voltage 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 10 A material of the enclosure of the switch head metal reference code according to IEC 81346-2 B 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 limidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor width of the sensor 356 mm Ambient conditions ambient temperature e during operation e during storage -40 +90 °C explosion protection category for dust	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 metal 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 4 Mablent conditions ambient temperature during operation current sensor funds during storage explosion protection category for dust 30g / 11 ms 0.35 mm/5g 15 000 000 100 00 100	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 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 0 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) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 10 N length of the sensor 40 mhient 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 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 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 A metal	• 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 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 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 length of the sensor vidth of the sensor 416.5 mm width of the sensor 56 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 metal 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 20 N length of the sensor 116.5 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -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 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 width of the sensor width of the sensor 56 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 0.05 mm Substance Prohibitance (Date) SYHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor indications ambient conditions ambient temperature o during operation other indications of actuation condition category for dust B 1 A; for a short-circuit current smaller than 400 A 10 A; for a s	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 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 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 smal	material of the enclosure of the switch head	metal
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 width of the sensor 40 minimum actualitions ambient conditions ambient temperature o during operation -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 0.05 mm Substance Prohibitance (Date) O7/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor vidth of the sensor 416.5 mm width of the sensor 56 mm Ambient conditions ambient temperature o during operation -25 +85 °C -40 +90 °C explosion protection category for dust	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
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 20 N length of the sensor 116.5 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust mechanical mechanical mechanical none mechanical mechanical none	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 index of the sensor in	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 length of the sensor width of the sensor force in directions of actuation 116.5 mm width of the sensor Ambient conditions ambient temperature olduring operation -25 +85 °C olduring storage -40 +90 °C explosion protection category for dust	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 116.5 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust	repeat accuracy	0.05 mm
minimum actuating force in directions of actuation length of the sensor width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 20 N 116.5 mm 56 mm -25 +85 °C -40 +90 °C explosion protection category for dust	Substance Prohibitance (Date)	07/01/2006
length of the sensor width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 116.5 mm 116.5 mm -25 +85 °C -40 +90 °C	SVHC substance name	Imidazolidin-2-thion - 96-45-7
width of the sensor 56 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none	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	116.5 mm
ambient temperature ● during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none	width of the sensor	56 mm
 during operation during storage 40 +90 °C explosion protection category for dust 	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
J	design of the 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	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, 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	snap-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	
Ganaral Product Approval	

General Product Approval







Confirmation





General Product Approval

Test Certificates

other

EAC

Type Test Certificates/Test Report

Confirmation

Further information

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

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

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

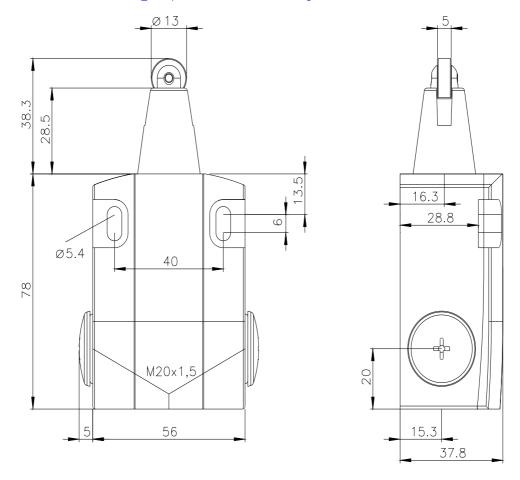
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5122-0LD02

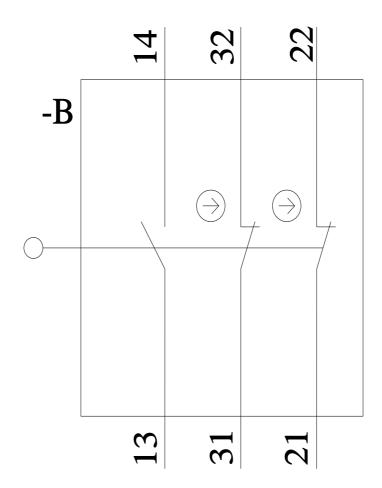
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5122-0LD02

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=3SE5122-0LD02&lang=en





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