SIEMENS

Data sheet 3SE5122-0BE01



Position switch Metal enclosure 56 mm wide Device connection 3x (M20x 1.5) 1 NO/1 NC slow-action contacts Roller lever, Metal lever and plastic roller 22 mm

product designation product type designation 3SE5 product type designation 3SE5 • of the supplied basic switch • of the supplied basic switch • of the supplied subtain product or the supplied subtain ground or the supplied switching contacts • of the supplied empty enclosure with cover subtainly for use safety switch • of the supplied empty enclosure with cover subtainly for use safety switch Product function positive opening P	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 ssE5500-0BA00 suitability for use safety switch Product function positive opening product function positive opening Pes Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP shock resistance • according to IEC 60068-2-7 vibration resistance according to IEC 60068-2-6 according to IEC 60068-2-7 vibration resistance according to IEC 60068-2-6 slectrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical of the enclosure of the switch head plastic reference code according to IEC 8144-2 B continuous current of the Characteristic MCB ontinuous current of the Characteristic MCB ontinuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) Virol 2006 SVHC substance name minimum actuating force in directions of actuation in length of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust	product designation	Mechanical position switches
of the supplied actuator head for position switches of the supplied actuator head for position switches of the supplied switching contacts suitability for use safety switch Ceneral technical data product function positive opening Yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value degree of pollution class 9 surge voltage resistance rated value of kV protection class IP shock resistance according to IEC 60068-2-7 supplied 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 plastic reference code according to IEC 8148-2 B continuous current of the C characteristic MCB ontinuous current of the Quick DIAZED fuse link G active principle mechanical surrent of the DIAZED fuse link G sactive principle mechanical	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 class 3 surge voltage resistance rated value 400 V degree of pollution class 19 shock resistance • according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical thermal current material of the enclosure of the switch head pontinuous current of the C characteristic MCB continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link G continuous current of the DIAZED fuse link G subty C continuous current of the DIAZED fuse link G subty C continuous current of the DIAZED fuse link G subty C continuous current of the DIAZED fuse link G subty C continuous current of the DIAZED fuse link G subty C continuous current of the DIAZED fuse link G subty C continuous current of the DIAZED fuse link G subty C continuous current of the DIAZED fuse link G mative principle mechanical repeat accuracy 0.05 mm subtynce Prohibitance (Date) 07/01/2006 SyHC substance name	manufacturer's article number	
of the supplied empty enclosure with cover 35E5102-0AA00 of the supplied empty enclosure with cover 35E5122-0AA00 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	3SE5122-0BA00
of the supplied empty enclosure with cover suitability for use safety switch Pes General technical data product function positive opening Yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value fe kV protection class IP shock resistance • according to IEC 60068-2-7 vibration resistance cording to IEC 60068-2-6 according to IEC 60068-2-17 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	 of the supplied actuator head for position switches 	3SE5000-0AE01
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 ### AUD V ### AUD	 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 gG active principle mechanical repeat accuracy 0.05 mm Substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 1 N length of the sensor 40 uring storage 40 +90 °C explosion protection category for dust	 of the supplied empty enclosure with cover 	3SE5122-0AA00
product function positive opening Yes	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 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 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 10 N length of the sensor 4mbient conditions ambient temperature e during operation 40 m; 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 10	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 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 continuous current of the DIAZED fuse link 00.5 mm Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor Ambient conditions ambient temperature e during operation e time 196-6000000 10 None 10 None 119 mm width of the sensor 25 +85 °C 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 to 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 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 ambient temperature during operation during storage explosion protection category for dust assignments 15 000 000 100 00 100 00	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 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) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 40 ml ymm width of the sensor 56 mm Ambient conditions ambient temperature during operation during storage 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 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 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 N length of the sensor 40 mm width of the sensor 56 mm Ambient conditions ambient temperature during operation during storage 40 +90 °C 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 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 Substance Prohibitance (Date) SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation length of the sensor 119 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 thermal current material of the enclosure of the switch head reference code according to IEC 81346-2 B continuous current of the C characteristic MCB tontinuous current of the quick DIAZED fuse link tontinuous current of the pulck DIAZED fuse link tontinuous current of the DIAZED fuse link tontinuous 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 tony in material of the sensor tony to	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 4 minimum actuations ambient temperature o during operation other in the sensor of the sensor explosion protection category for dust plastic 1 A; for a short-circuit current smaller than 400 A 10 A 10 A 10 A 10 N 10 N 119 mm 25 +85 °C -40 +90 °C 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 119 mm width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust	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	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 419 mm width of the sensor 4mbient conditions ambient temperature 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 mechanical 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 119 mm width of the sensor 419 mm width of the sensor 56 mm Ambient conditions ambient temperature • 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 10 N length of the sensor 119 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust mechanical 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 119 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 0.05 mm 07/01/2006 10 N 119 mm 56 mm	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 119 mm width of the sensor 56 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 07/01/2006 1midazolidin-2-thion - 96-45-7 10 N 119 mm 56 mm -25 +85 °C -40 +90 °C	active principle	mechanical
SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 10 N length of the sensor 119 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 119 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	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 119 mm 56 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 • one	minimum actuating force in directions of actuation	10 N
Ambient conditions ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust	length of the sensor	119 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 -25 +85 °C during storage -40 +90 °C explosion protection category for dust 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, 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 lever, metal lever, plastic roller		
standard-compliant actuator head	EN 50041		
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	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=3SE5122-0BE01

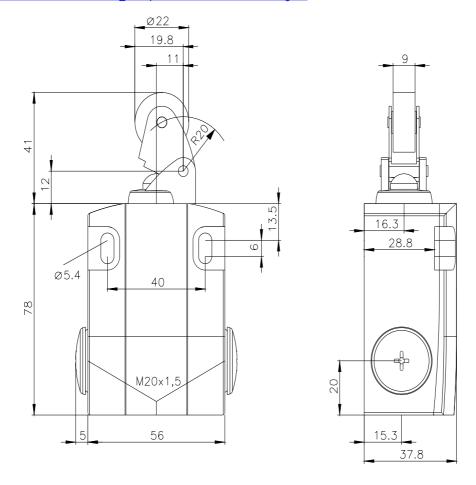
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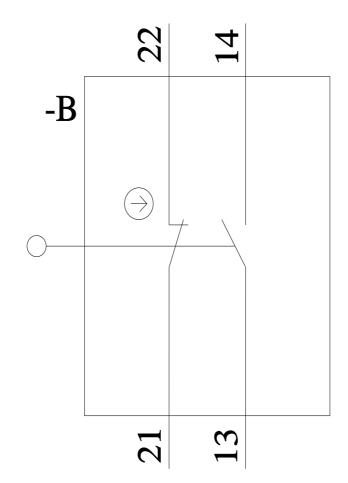
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SE5122-0BE01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5122-0BE01&lang=en





last modified: 9/5/2023 🖸