SIEMENS

product brand name

Data sheet 3SE5162-0CE01

SIRIUS



Position switch 3SE5162 Metal enclosure XL, 56 mm wide with roller lever, metal lever and plastic roller 22 mm Device connection 3 x (M20 x 1.5) 2 x (1 NO/1 NC) Quick action contacts IP66/IP67

product type designation product type designation anufacturer's article number of the supplied basic switch of the supplied actuator head for position switches set of the supplied switching contacts of the supplied mpty enclosure with cover suitability for use safety switch product function positive opening product function positive positive opening product function positive positive opening product function positive positive positive opening product function positive	product brand name	SIRIUS	
manufacturer's article number • of the supplied basic switch of the supplied switching contacts • of the supplied switching contacts • of the supplied switching contacts • of the supplied empty enclosure with cover suitability for use safety switch • of the supplied empty enclosure with cover suitability for use safety switch Ceneral technical data product function positive opening product function positive opening respectively for the supplied empty enclosure with cover surge voltage rated value degree of pollution class 3 surge voltage resistance rated value for kV correction 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 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 according to IEC 60068-2-7 vibration resistance according to IEC 60068-2-6 according to IEC 60068-2-7 birching cycles) typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025 sprical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025 sprical electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025 sprical electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025 sprical electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025 sprical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025 sprical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025 sprical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025 sprical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025 sprical electrical endurance	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 empty enclosure with cover suitability for use safety switch Pes product function positive opening product function positive opening yes insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP shock resistance	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 yes General technical data product function positive opening insulation voltage rated value degree of pollution surge voltage resistance rated value protection class IP shock resistance * according to IEC 60068-2-27 wibration resistance according to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 shtriples thermal current	manufacturer's article number		
of the supplied empty enclosure with cover 3SE5162-0AA00 suitability for use safety switch Yes Ceneral technical data product function positive opening Yes insulation voltage rated value 400 V degree of pollution surge voltage resistance rated value 6 kV protection class IP shock resistance a cacording to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 0.35 mm/5g mechanical service life (switching cycles) typical 5 000 000 electrical endurance (switching cycles) that C-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 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 gG active principle mechanical electriciple minumum actuating force in directions of actuation length of the sensor 465 mm design of the switching coctact mechanical mechani	 of the supplied basic switch 	3SE5162-0CA00	
of the supplied empty enclosure with cover suitability for use safety switch Pes product function positive opening product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP profection class IP profection class IP profection class IP shock resistance	 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 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 (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 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 C characteristic MCB Active principle 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) minimum actuating force in directions of actuation length of the sensor design of the switching contact Yes Yes 400 V	 of the supplied switching contacts 	1x 3SE5000-0CA00, 1x 3SE5060-0CA00	
General technical data product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value e according to IEC 60088-2-27 yibration resistance e according to IEC 60088-2-27 yibration resistance according to IEC 60088-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1024 yiprical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025 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 continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle repeat accuracy Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor design of the switching contact ### A00 V ### A00 A ### A00	 of the supplied empty enclosure with cover 	3SE5162-0AA00	
product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP IP66/IP67 shock resistance	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 vibration resistance according to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 thermal current 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 QLAZED fuse link continuous current of the DIAZED fuse link G active principle mechanical repeat accuracy Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor design of the switching contact ### 400 V degree of pollution class 3 6 kV IP66/IP67 ### 300 / 11 ms ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000 ### 300 / 10 000	General technical data		
degree of pollution surge voltage resistance rated value protection class IP shock resistance	product function positive opening	Yes	
surge voltage resistance rated value protection class IP shock resistance	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 (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 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 gG active principle repeat accuracy Substance Prohibitance (Date) minimum actuating force in directions of actuation design of the switching contact 30g / 11 ms 30g / 11 ms 30g / 12 mps 400000 100 000	protection class IP	IP66/IP67	
vibration resistance according to IEC 60068-2-6 mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 thermal current	shock resistance		
mechanical service life (switching cycles) typical electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 thermal current	according to IEC 60068-2-27	30g / 11 ms	
electrical endurance (switching cycles) at AC-15 at 230 V typical electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 thermal current 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) minimum actuating force in directions of actuation length of the sensor design of the switching contact 100000 5000000 5000000 5000000 5000000	vibration resistance according to IEC 60068-2-6	0.35 mm/5g	
electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 thermal current	mechanical service life (switching cycles) typical	5 000 000	
3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 thermal current	, , ,	100 000	
3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 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 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 active principle repeat accuracy Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor design of the switching contact 10 A 10 A plastic B continuous current smaller than 400 A 6 A active principle mechanical 7/01/2006 15 N length of the sensor 411 mm mechanical	3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,	5 000 000	
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 continuous current of the DIAZED fuse link gG active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor design of the switching contact plastic plastic plastic plastic plastic A A A A A A A A A A B A A	3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,	6 000	
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 DIAZED fuse link gG active principle repeat accuracy Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor design of the switching contact B 1 A; for a short-circuit current smaller than 400 A 6 A 0 A 10 A; for a short-circuit current smaller than 400 A 6 A 0 N 10 A; for a short-circuit current smaller than 400 A 10 A; for a short-circuit	thermal current	10 A	
continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the plick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle repeat accuracy Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor design of the switching contact 1 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) minimum actuating force in directions of actuation length of the sensor width of the sensor design of the switching contact 10 A; for a short-circuit current smaller than 400 A 6 A 0.05 mm 0.7/01/2006 15 N 141 mm 56 mm design of the switching contact mechanical	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) 07/01/2006 minimum actuating force in directions of actuation 15 N length of the sensor 141 mm width of the sensor 56 mm design of the switching contact 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 minimum actuating force in directions of actuation 15 N length of the sensor 141 mm width of the sensor 56 mm 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) minimum actuating force in directions of actuation length of the sensor width of the sensor design of the switching contact 0.05 mm 07/01/2006 15 N 141 mm 56 mm mechanical	continuous current of the DIAZED fuse link gG	6 A	
Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor design of the switching contact 07/01/2006 15 N 141 mm 56 mm mechanical	active principle	mechanical	
minimum actuating force in directions of actuation length of the sensor width of the sensor design of the switching contact 15 N 141 mm mechanical	repeat accuracy	0.05 mm	
length of the sensor 141 mm width of the sensor 56 mm design of the switching contact mechanical	Substance Prohibitance (Date)	07/01/2006	
width of the sensor 56 mm design of the switching contact mechanical	minimum actuating force in directions of actuation	15 N	
design of the switching contact mechanical	length of the sensor	141 mm	
	width of the sensor	56 mm	
operating frequency rated value 50 60 Hz	design of the switching contact	mechanical	
	operating frequency rated value	50 60 Hz	

number of NC contacts for cutilisms contacts	2		
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		
design of the interface for safety-related communication	without		
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	snap-action contacts		
number of switching contacts safety-related	2		
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)		
 at AWG cables solid 	1x (20 16), 2x (20 18)		
 at AWG cables stranded 	1x (20 16), 2x (20 18)		
cable entry type	3x (M20 x 1.5)		
Communication/ Protocol			
design of the interface	without		
Ambient conditions			
ambient temperature			
during operation	-25 +85 °C		
during storage	-40 +90 °C		
explosion protection category for dust	none		
Installation/ mounting/ dimensions			
mounting position	any		
fastening method	screw fixing		
Certificates/ approvals			
General Product Approval			





Confirmation







Functional Safety/Safety of Declaration of Conformity Machinery	Test Certificates	other
---	-------------------	-------



Further information

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=3SE5162-0CE01

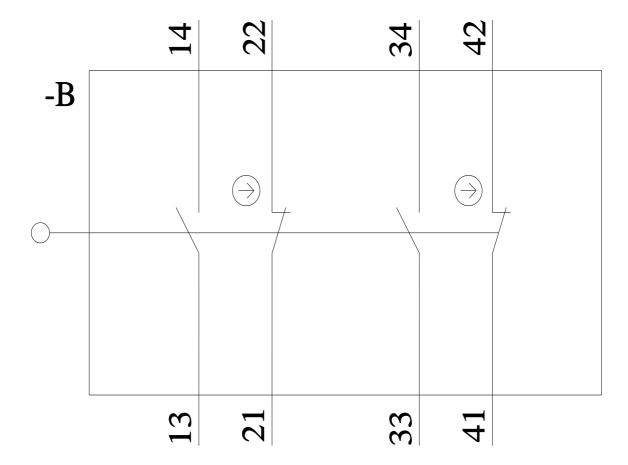
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0CE01

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0CE01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0CE01&lang=en



last modified: 1/26/2022 🖸