SIEMENS

Data sheet 3SE5250-0CC05



Position switch Plastic enclosure open type 30 mm 1 NO/1 NC quick action contacts Metal plunger, IP20 $\,$

product function positive opening insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP20, conductor connected and clamping screw screwed in shock resistance according to IEC 60068-2-7 30g / 11 ms vibration resistance according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical 15 000 000 and 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical vibration of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the C characteristic MCB	product brand name	SIRIUS
• of the supplied switching contacts • of the supplied switching contacts suitability for use safety switch Product function positive opening Final sulation voltage rated value degree of pollution surge voltage resistance rated value • according to IEC 60068-2-27 • according to IEC 60068-2-27 • according to IEC 60068-2-27 • according to IEC 60068-2-26 • according to IEC 60068-2-27 • according to IEC 60068-2-27 • according to IEC 60068-2-27 • according to IEC 60068-2-26 • according	product designation	Open-type position switches
• of the supplied switching contacts • of the supplied switching contacts suitability for use safety switch Product function positive opening Final sulation voltage rated value degree of pollution surge voltage resistance rated value • according to IEC 60068-2-27 • according to IEC 60068-2-27 • according to IEC 60068-2-27 • according to IEC 60068-2-26 • according to IEC 60068-2-27 • according to IEC 60068-2-27 • according to IEC 60068-2-27 • according to IEC 60068-2-26 • according	product type designation	3SE5
suitability for use safety switch Soneral technical data Forduct 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 30g / 11 ms Protection class IP saccording to IEC 60068-2-27 30g / 11 ms Protestion class IP according to IEC 60068-2-27 30g / 11 ms Protestion class IP according to IEC 60068-2-27 30g / 11 ms Protestion class IP according to IEC 60068-2-27 30g / 11 ms Protection class IP according to IEC 60068-2-27 30g / 11 ms Protection class IP according to IEC 60068-2-27 30g / 11 ms Protection class IP according to IEC 60068-2-27 30g / 11 ms Protection class IP according to IEC 60068-2-27 30g / 11 ms Protection class IP according to IEC 60068-2-27 30g / 11 ms Protection class IP according to IEC 60068-2-27 30g / 11 ms Protection class IP according to IEC 60068-2-27 30g / 11 ms Protection class IP Brown/5g Brown		
product function positive opening Yes Insulation voltage rated value 400 V degree of pollution class IP surge voltage resistance rated value 6 kV protection class IP IP20, conductor connected and clamping screw screwed in shock resistance • according to IEC 60068-2-27 30g / 11 ms vibration resistance • according to IEC 60068-2-26 0.35 mm/5g mechanical service life (operating cycles) typical 1000000 at 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V ipolat 100 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 G A continuous current of the DIAZED fuse l	of the supplied switching contacts	3SE5000-0CA00
product function positive opening insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP20, conductor connected and clamping screw screwed in shock resistance according to IEC 60068-2-7 30g / 11 ms vibration resistance according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical 15 000 000 and 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical vibration of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 10 A; for a short-circuit current smaller than 400 A continuous current of the C characteristic MCB	suitability for use safety switch	Yes
Insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP20, conductor connected and clamping screw screwed in shock resistance • according to IEC 60068-2-27 30g / 11 ms vibration 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 • note 1000000 at 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 • note 1000000 at 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 • note 1000000 at 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 • note 2000000000000000000000000000000000000	General technical data	
Insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP20, conductor connected and clamping screw screwed in shock resistance • according to IEC 60068-2-27 30g / 11 ms vibration 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 • note 1000000 at 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 • note 1000000 at 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 • note 1000000 at 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 • note 2000000000000000000000000000000000000	product function positive opening	Yes
surge voltage resistance rated value 6 kV protection class IP IP20, conductor connected and clamping screw screwed in shock resistance	insulation voltage rated value	400 V
protection class IP IP20, conductor connected and clamping screw screwed in 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 note 1000000 at 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 2000000 at 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 30° angle of approach electrical endurance (operating cycles) at AC-15 at 230 V typical 400 A 4	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 anote 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 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 0 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 O,5 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor 30 mm Ambient conditions ambient temperature during operation during of the switching contact operating frequency rated value 50 60 Hz	protection class IP	IP20, conductor connected and clamping screw screwed in
vibration resistance	shock resistance	
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mechanical service life (operating cycles) typical • note 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 continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link of Ac active principle mechanical repeat accuracy Substance Prohibitance (Date) 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 design of the switching contact mechanical repeatal continuous surrent of the DIAZED fuse link of Ac Anole Ac during force in directions of actuation 20 N -25 +85 °C -40 +90 °C explosion protection category for dust mechanical perating frequency rated value 50 60 Hz	vibration resistance	
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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 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 Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link 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 Quick DIAZED fuse link continuous current of the Sanot-circuit current smaller than 400 A continuous current of the Sanot-circuit current smaller than 400 A continuous current of the Sanot-circuit current smaller than 400 A continuous current of the Sanot-circuit current smaller than 400 A continuous current of the Sanot-circuit current smaller than 400 A continuous current of the Sanot-circuit current smaller than 400 A continuous current of the Sanot-circuit current smaller than 400 A continuous current of the Sanot-circuit current smaller than 400 A continuous current of the Sanot-circuit current smaller than 400 A continuous current of the Sanot-circuit current smaller than 400 A	mechanical service life (operating cycles) typical	15 000 000
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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 minimum actuating force in directions of actuation length of the sensor 99.2 mm width of the sensor 30 mm Ambient conditions ambient temperature oduring operation of during storage 40 +90 °C explosion protection category for dust design of the switching contact operating frequency rated value 50 60 Hz		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 6 A 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 width of the sensor ambient conditions ambient temperature • during operation • during storage explosion protection category for dust design of the switching contact operating frequency rated value B 1 A; for a short-circuit current smaller than 400 A 10 A; for a	thermal current	10 A
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 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation 20 N length of the sensor width of the sensor 30 mm Ambient conditions ambient temperature • during operation • during storage -40 +90 °C explosion protection category for dust none design of the switching contact operating frequency rated value 50 60 Hz	material of the enclosure of the switch head	plastic
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active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating force in directions of actuation 20 N length of the sensor 59.2 mm width of the sensor 30 mm Ambient conditions ambient temperature	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 width of the sensor ambient conditions ambient temperature o during operation during storage explosion protection category for dust operating frequency rated value 0.05 mm 0.7/01/2006 20 N 59.2 mm 30 mm -25 +85 °C -25 +85 °C -40 +90 °C explosion protection category for dust mechanical operating frequency rated value 50 60 Hz	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 ambient conditions ambient temperature o during operation oturing storage explosion protection category for dust operating frequency rated value 07/01/2006 20 N 59.2 mm 30 mm -25 +85 °C -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical operating frequency rated value 50 60 Hz	active principle	mechanical
minimum actuating force in directions of actuation length of the sensor width of the sensor Ambient conditions ambient temperature olduring operation during storage explosion protection category for dust operating frequency rated value 20 N 59.2 mm 30 mm -25 +85 °C -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical operating frequency rated value 50 60 Hz	repeat accuracy	0.05 mm
length of the sensor width of the sensor Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust design of the switching contact operating frequency rated value 50 60 Hz	Substance Prohibitance (Date)	07/01/2006
width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust design of the switching contact operating frequency rated value 30 mm -25 +85 °C -40 +90 °C explosion protection category for dust none design of the switching contact operating frequency rated value 50 60 Hz	minimum actuating force in directions of actuation	20 N
Ambient conditions ambient temperature • during operation • during storage • during storage • resplosion protection category for dust design of the switching contact operating frequency rated value ambient conditions -25 +85 °C -40 +90 °C explosion protection category for dust none mechanical operating frequency rated value 50 60 Hz	length of the sensor	59.2 mm
ambient temperature • during operation • during storage • during storage • during storage • -40 +90 °C explosion protection category for dust none design of the switching contact operating frequency rated value 50 60 Hz	width of the sensor	30 mm
 during operation during storage 40 +90 °C explosion protection category for dust design of the switching contact operating frequency rated value 50 60 Hz 	Ambient conditions	
● during storage -40 +90 °C explosion protection category for dust design of the switching contact operating frequency rated value -40 +90 °C none mechanical 50 60 Hz	ambient temperature	
explosion protection category for dust design of the switching contact mechanical operating frequency rated value 50 60 Hz	 during operation 	-25 +85 °C
design of the switching contact mechanical operating frequency rated value 50 60 Hz	during storage	-40 +90 °C
operating frequency rated value 50 60 Hz	explosion protection category for dust	none
	design of the switching contact	mechanical
number of NC contacts for auxiliary contacts	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 120 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	
material of the enclosure	plastic, open-type
coating of the enclosure	Other types
design of the housing according to standard	No
Drive Head	
design of the actuating element	Rounded plunger, metal plunger
standard-compliant actuator head	EN 50047, design B
shape of the switch head	rounded
design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	1
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



Confirmation





<u>KC</u>



Functional
Safety/Safety of Machinery

Declaration of Conformity
Test Certificates
other

Type Examination Certificate





Type Test Certificates/Test Report

Confirmation

Further information

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

 $\underline{\text{https://support.industry.siemens.com/cs/ww/en/view/109813875}}$

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

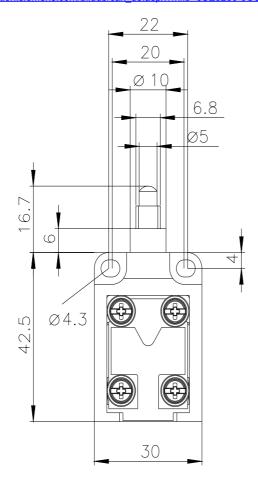
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5250-0CC05

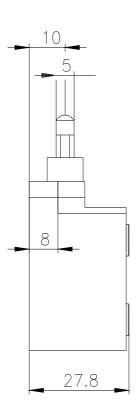
Cax online generator

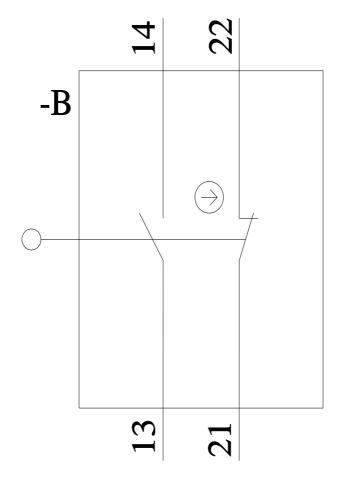
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5250-0CC05

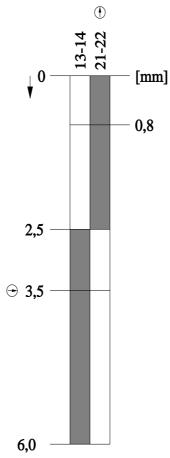
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5250-0CC05

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5250-0CC05&lang=en









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