## SIEMENS

## Data sheet

## 3SE5250-0CC05



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

product designation         Open-type position switches           product type designation         3SE5           manufacturer's article number		
product type designation         3SE5           manufacturer's article number         SSE500-0CA00           sultability for use safety switch         Yes           Seneral technical data         SSE500-0CA00           sultability for use safety switch         Yes           Seneral technical data         400 V           degree of pollution positive opening         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 60068-2-6         0.35 mm/5g           mechanical service life (operating cycles) typical         15 000 000           • note         100000           electrical endurance (operating cycles) at AC-15 at 230 V         100000           typical         10 A           material of the enclosure of the switch head         plasic           reference code according to IEC 81346-2         B           continuous current of the DIAZED fuse link         10 A, for a short-circuit current smalle	product brand name	SIRIUS
production         seta           • of the supplied switching contacts         SEES00-0CA00           suitability for use safely switch         Yes           Schoral technical data         Yes           product function positive opening         Yes           insulation voltage rated value         400 V           degree of pollution         class 3           surge voltage resistance rated value         6 kV           product function positive opening         Yes           succording 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         100000 at 30° angle of approach           electrical endurance (operating cycles) at AC-15 at 230 V         100 000           typical         10 A           material of the enclosure of the switch head         plastic           reference code according to IEC 81346-2         B           continuous current of the quick DAZED fuse link         10 A, for a short-circuit current smaller than 400 A           continuous current of the publick DAZED fuse link gG         6 A           reference code according to IEC 81346-2         B           continuous curren		
• of the supplied switching contactsSSEES002-0CA00suitability for use safely switchYesCeneral technical dataproduct function positive openingYesinsulation voltage rated value400 Vdegree of pollutionclass 3surge voltage resistance rated value6 kVa coording to IEC 60068-2-271920, conductor connected and clamping screw screwed inshock resistance• according to IEC 60068-2-2730g / 11 msvibration resistance• according to IEC 60068-2-270.35 mm/5gmechanical service life (operating cycles) typical15000 000• note100000 300° angle of approachelectrical endurance (operating cycles) at AC-15 at 230 V100 000typical100 000methal of the enclosure of the switch headplasticreference code according to IEC 81346-2Bcontinuous current of the C-characteristic MCB1 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link gG6 Aactive principlemechanicalSubstance Prohibitance (Date)592 mmsubstance Prohibitance (Date)592 mmwitch of the sensor30 mmvitch of the sensor30 mmvitch of the sensor20 Nsoloredcoloredsolored592 mmwitch of the sensor function25		3SE5
suitability for use safety switch         Yes           General tochnical data	manufacturer's article number	
Concertal technical data         Yes           insulation voitage rated value         400 V           degree of pollution         class 3           surge voitage resistance rated value         6 kV           productor connected and clamping screw screwed in         5 kV           protection class IP         IP20, conductor connected and clamping screw screwed in           shock resistance         6 kV           • according to IEC 60068-2-87         30g / 11 ms           vibration resistance         -           • according to IEC 60068-2-8         0.35 mm/5g           mechanical service life (operating cycles) typical         15 000 000           • nole         1000000 at 30° angle of approach           electrical endurance (operating cycles) at AC-15 at 230 V         100 000           typical         100 A           metaneial 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 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 <th><ul> <li>of the supplied switching contacts</li> </ul></th> <th><u>3SE5000-0CA00</u></th>	<ul> <li>of the supplied switching contacts</li> </ul>	<u>3SE5000-0CA00</u>
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         IP20, conductor connected and clamping screw screwed in           shock resistance		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         6 kV           • 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         100 000           typical         100 000           thermal current         10 A           material of the enclosure of the switch head         plastic           reference code according to IEC 81345-2         B           continuous current of the C characteristic MCB         1 A; for a short-circuit current smaller than 400 A           continuous current of the QIAZED 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 A; for a short-circuit current smaller than 400 A           continuous current of	General technical data	
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	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
Detection 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         - according to IEC 60068-2-6           • note         1000000 at 30° angle of approach         - according to IEC 60068-2-6           electrical endurance (operating cycles) at AC-15 at 230 V         100 000           typical         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 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         20 N           length of the sensor         30 amm           width of the sensor         30 amm           width of the sensor         30 amm           eduring operation         -25 +85 °C           edurin	degree of pollution	class 3
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       100 000         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 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       20 N         length of the sensor       30 mm         Ambient conditions       -25 +85 °C         explosion protection category for dust       onone         design of the switching contact       mechanical         operation       -25 +85 °C         explosion protection category for dust       onone	surge voltage resistance rated value	6 kV
• 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 00           • note         100000 at 30° angle of approach           electrical endurance (operating cycles) at AC-15 at 230 V         100 000           typical         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         mechanical           repeat accuracy         0.05 mm           Substance Prohibitance (Date)         07/01/2006           minimum actuating force in directions of actuation         20 N           width of the sensor         39.2 mm           width of the sensor         30.2 mm           width of the sensor         30.2 mm           width of the sensor         30.2 mm           e. during operation         -25 +85 °C      <	protection class IP	IP20, conductor connected and clamping screw screwed in
vibration resistance	shock 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           material of the enclosure of the switch head         plastic           material of the enclosure of the switch head         plastic           reference code according to IEC 81346-2         B           continuous current of the C characteristic MCB         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         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         59.2 mm           width of the sensor         59.2 mm           width of the sensor         30 mm           enduring operation         -25+85 °C           e during operation         -25+69 °C           e during storage         40	<ul> <li>according to IEC 60068-2-27</li> </ul>	30g / 11 ms
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         100 000           typical         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         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         30 mm           Ambient conditions         -25 +85 °C           - during operation         -25 +85 °C           - during storage         -40 +90 °C           explosion protection category for dust         none           design of the switching contact         mechanical	vibration resistance	
• note         1000000 at 30° angle of approach           electrical endurance (operating cycles) at AC-15 at 230 V typical         100 000           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         mechanical           repeat accuracy         0.05 mm           Substance Prohibitance (Date)         07/01/2006           minimum actuating force in directions of actuation         20 N           Ambient conditions         30 mm           Ambient conditions         -25 +85 °C           e during operation         -25 +85 °C           e during storage         -40 +90 °C           explosion protection category for dust         none           design of the switching contact         mechanical	according to IEC 60068-2-6	0.35 mm/5g
electrical endurance (operating cycles) at AC-15 at 230 V       100 000         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 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       20 N         length of the sensor       59.2 mm         width of the sensor       30 mm         Ambient conditions       -25 +85 °C         e during operation       -25 +85 °C         e during storage       -40 +90 °C         explosion protection category for dust       none         design of the switching contact       mechanical         operating frequency rated value       50 60 Hz	mechanical service life (operating cycles) typical	15 000 000
typical         Image: Control of the sensor           interial 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         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         39.2 mm           width of the sensor         30 mm           Ambient temperature         -25 +85 °C           eduring storage         -40 +90 °C           explosion protection category for dust         none           design of the switching contact         mechanical           operating frequency rated value         50 60 Hz	• note	1000000 at 30° angle of approach
material of the enclosure of the switch headplasticreference code according to IEC 81346-2Bcontinuous current of the C characteristic MCB1 A; for a short-circuit current smaller than 400 Acontinuous current of the quick DIAZED fuse link10 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation20 Nlength of the sensor59.2 mmwidth of the sensor30 mmAmbient conditions-25 +85 °C• during operation-25 +85 °C• during storage-40 +90 °Cexplosion protection category for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hz		100 000
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         20 N           length of the sensor         59.2 mm           width of the sensor         30 mm           Ambient conditions         -25 +85 °C           e during operation         -25 +85 °C           e during storage         -40 +90 °C           explosion protection category for dust         none           design of the switching contact         mechanical           operating frequency rated value         50 60 Hz	thermal current	10 A
continuous current of the C characteristic MCB1 A; for a short-circuit current smaller than 400 Acontinuous current of the quick DIAZED fuse link10 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation20 Nlength of the sensor59.2 mmwidth of the sensor30 mmAmbient conditionsambient temperature• during operation-25 +85 °C• during storage-40 +90 °Cexplosion protection category for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hz	material of the enclosure of the switch head	plastic
continuous current of the quick DIAZED fuse link10 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation20 Nlength of the sensor59.2 mmwidth of the sensor30 mmAmbient conditions-25 +85 °C• during operation-25 +85 °C• during storage-40 +90 °Cexplosion protection category for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hz	reference code according to IEC 81346-2	В
continuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation20 Nlength of the sensor59.2 mmwidth of the sensor30 mmAmbient conditions	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         20 N           length of the sensor         59.2 mm           width of the sensor         30 mm           Ambient conditions         30 mm           ambient temperature         -25 +85 °C           • during operation         -25 +85 °C           • during storage         -40 +90 °C           explosion protection category for dust         none           design of the switching contact         mechanical           operating frequency rated value         50 60 Hz	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
repeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation20 Nlength of the sensor59.2 mmwidth of the sensor30 mmAmbient conditions	continuous current of the DIAZED fuse link gG	6 A
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         30 mm           ambient temperature         -25 +85 °C           • during operation         -25 +85 °C           • during storage         -40 +90 °C           explosion protection category for dust         none           design of the switching contact         mechanical           operating frequency rated value         50 60 Hz	active principle	mechanical
minimum actuating force in directions of actuation       20 N         length of the sensor       59.2 mm         width of the sensor       30 mm         Ambient conditions       30 mm         ambient temperature       -25 +85 °C         • during operation       -25 +85 °C         • during storage       -40 +90 °C         explosion protection category for dust       none         design of the switching contact       mechanical         operating frequency rated value       50 60 Hz	repeat accuracy	0.05 mm
length of the sensor       59.2 mm         width of the sensor       30 mm         Ambient conditions       30 mm         ambient temperature       -25 +85 °C         • during operation       -25 +85 °C         • during storage       -40 +90 °C         explosion protection category for dust       none         design of the switching contact       mechanical         operating frequency rated value       50 60 Hz	Substance Prohibitance (Date)	07/01/2006
width of the sensor       30 mm         Ambient conditions       30 mm         ambient temperature <ul> <li>during operation</li> <li>-25 +85 °C</li> <li>-40 +90 °C</li> </ul> explosion protection category for dust       none         design of the switching contact       mechanical         operating frequency rated value       50 60 Hz	minimum actuating force in directions of actuation	20 N
Ambient conditions         ambient temperature         • during operation         • during storage         • 0 °C         • operating frequency rated value         • 0 · • 00 Hz	length of the sensor	59.2 mm
ambient temperature     -25       • during operation     -25       • during storage     -40       • explosion protection category for dust     none       design of the switching contact     mechanical       operating frequency rated value     50	width of the sensor	30 mm
• during operation       -25 +85 °C         • during storage       -40 +90 °C         explosion protection category for dust       none         design of the switching contact       mechanical         operating frequency rated value       50 60 Hz	Ambient conditions	
• during storage     -40 +90 °C       explosion protection category for dust     none       design of the switching contact     mechanical       operating frequency rated value     50 60 Hz	ambient temperature	
explosion protection category for dust     none       design of the switching contact     mechanical       operating frequency rated value     50 60 Hz	<ul> <li>during operation</li> </ul>	-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 1	operating frequency rated value	50 60 Hz
	number of NC contacts for auxiliary contacts	1

number of NO contacts for auxiliary of	ontacts	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	Δ			
• at 250 V rated value		0.27	•			
at 200 V rated value			0.12 A			
Enclosure		0.127	<b>٦</b>			
material of the enclosure		plaati	a anan tuna			
			c, open-type			
coating of the enclosure	ton doud		Other types			
design of the housing according to st	landard	No				
Drive Head		Devi				
design of the actuating element		-	ded plunger, metal plung	lei		
standard-compliant actuator head			0047, design B			
shape of the switch head		round				
design of the switching function			ve opening			
circuit principle			snap-action contacts			
number of switching contacts safety-rela	ited	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)			
<ul> <li>finely stranded with core end processing</li> </ul>			1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)			
<ul> <li>for AWG cables solid</li> </ul>			1x (20 16), 2x (20 18)			
for AWG cables stranded			1x (20 16), 2x (20 18)			
design of the interface for safety-related	communication	witho	ut			
Communication/ Protocol		_				
design of the interface		witho	ut			
Certificates/ approvals						
General Product Approval						
	_					
	c c c		<b>Confirmation</b>	(m)	ŝ	
	<b>.</b> (e			$(\mathbf{u})$	( <sup>v</sup> L)	
CSA	EG-Konf.			ccc	UL	
	Functional					
General Product Approval	Safety/Safety	of Ma-	Test Certificates	other		
	chinery					
<u>KC</u>	Type Examination	on Cer-	Type Test Certific-	<b>Confirmation</b>		
EA	tificate		ates/Test Report	<u>commutor</u>		
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 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

 https://support.industry.siemens.com/cs/ww/en/view/109813875

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

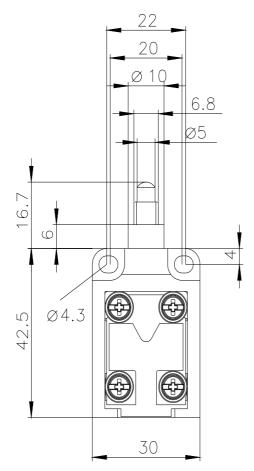
 https://www.siemens.com/ic10

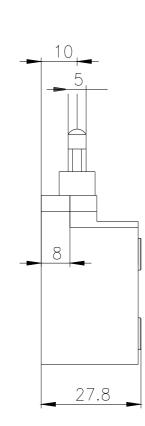
 Industry Mall (Online ordering system)

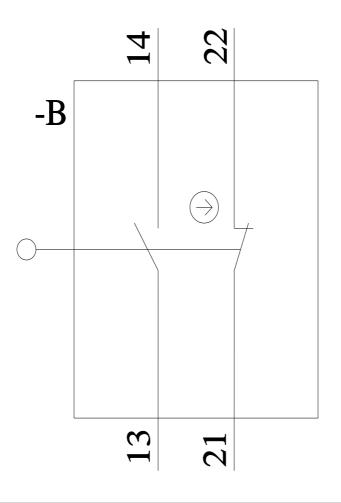
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5250-0CC05 Cax online generator

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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