SIEMENS

Data sheet

3SE5112-0CH62-1AJ0



Position switch Metal enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC quick action contacts Rotary actuator right/left adjustable with adjustable-length stainless steel lever 100 mm long and with positive fit (grid hole) and plastic roller 19 mm functional at -40 $^{\circ}$ C Shock and vibration test according to EN 61373, Category 1B

product designation Mechanical position switches product type designation 3SE5 of the supplied abasic switch 3SE512-0CA00-1Au0 of the supplied abasic switch 3SE5000-0AH00-1Au0 of the supplied deperating lever 3SE5000-0AH00-1Au0 of the supplied operating lever 3SE5000-0AH00-1Au0 of the supplied operating lever 3SE5000-0AH00 of the supplied switching contacts 3SE5000-0AH00 suitability for use safety switch 7ves Coneral tochnical data product function positive opening Yes insulation voltage rated value 400 V degree of pollution class IP Pe6//Pe7 shock resistance according to IEC 60068-2-27 of or rallway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical 150 000 000 electrical endurance (operating cycles) typical plastic urrent of the euchosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the Characteristic MCB 1A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G active principle mechanical respect to the Substance Prohibitance (Date) minimum actuating torque in directions of actuation 0.25 Nm Substance Prohibitance (Date) 7/07/12006 minimum actuating torque in directions of actuation 0.25 Nm substance Prohibitance (Date) 7/07/12006 minimum actuating torque in directions of actuation 0.25 Nm substance Prohibitance (Date) 7/07/12006 minimum actuating torque in directions of actuation 0.25 Nm substance Prohibitance (Date) 7/07/12006 minimum actuating torque in directions of actuation 0.25 Nm substance Prohibitance (Date) 7/07/12006 minimum actuating torque in directions of actuation 0.25 Nm dengret according operation 40 mm 40 mm Arbeit conditions ambient temperature 40 mm chanical	product brand name	SIRIUS
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of the supplied operating lever of the supplied switching contacts statishility for use safety switch Product function positive opening prod	 of the supplied basic switch 	3SE5112-0CA00-1AJ0
of the supplied switching contacts suitability for use safety switch Product function positive opening product function positive opening President of the continuous current of the C characteristic MCB reference code according to IEC 81346-2 continuous current of the DIAZED fuse link gG active principle repeat accuracy substance Prohibitance (Date) montant activating to request of the sensor during operation ed uring storage e during operation e during storage e during operation e during storage e during operation e during storage e	 of the supplied actuator head for position switches 	3SE5000-0AH00-1AJ0
Sultability 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 • for railway applications according to EN 61373 • for railway applications according to EN 61373 • for railway applications according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical thermal current 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 continuous current of the C characteristic MCB continuous current of the guick DIAZED fuse link continuous current of the DIAZED fuse link G active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient comperation • during storage 40 +85 °C • during storage 40 +90 °C explosion protection category for dust	 of the supplied operating lever 	3SE5000-0AA62-1AJ0
product function positive opening Product function positive opening Product function positive opening Production collage rated value Protection class IP Profection Cl	 of the supplied switching contacts 	3SE5000-0CA00
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 • for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical 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 Quick DIAZED fuse link continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the duick DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the duick DIAZED fuse link of A; for a short-circuit current smaller than 400 A continuous current of the spice of A; for a short-circuit current smaller than 400 A continuous current of the spice of A; for a short-circuit current smaller than 400 A continuous current of the spice of A; for a short-circuit current smaller than 400 A continuous current of the Qiac Diage of A; for a short-circuit current smaller than 400 A continuous current of the Qiac Diage of A; for a short-circuit current smaller than 400 A continuous current of the Qiac Diage of A; for a short-circuit current smaller than 400 A continuous current of the Qiac Diage of A; for a sh	suitability for use safety switch	Yes
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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 protection class IP shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 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 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 QG active principle repeat accuracy 30.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust	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 for railway applications according to EN 61373 category 1, Class B 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 to A material of the enclosure of the switch head plastic reference code according to IEC 81346-2 continuous current of the C characteristic MCB	protection class IP	IP66/IP67
• for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 wibration 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	shock resistance	
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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 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor 40 mm Ambient conditions ambient temperature o during operation -40 +85 °C -40 +90 °C 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 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the plazed fuse link continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor ### Abbient conditions ambient temperature ### during operation ### during storage ### conditions ### active principle ### acti	mechanical service life (operating cycles) typical	15 000 000
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 quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor in the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust plastic 1 A; for a short-circuit current smaller than 400 A 0 A 0 A 0 A 0 A 0 A 0 A 0	,	100 000
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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 torque in directions of actuation length of the sensor width of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 10 A; for a short-circuit current smaller than 400 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A	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 torque in directions of actuation 0.25 N·m length of the sensor 192 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation -40 +85 °C • during storage -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 mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 192 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation -40 +85 °C • during storage -40 +90 °C explosion protection category for dust	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 torque in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation during storage explosion protection category for dust 0.25 N·m 192 mm 40 mm 40 mm	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation during storage explosion protection category for dust 07/01/2006 07/01/2006 07/01/2006 0.25 N·m 40 mm 40 mm 40 mm	active principle	mechanical
minimum actuating torque in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 0.25 N·m 192 mm 40 mm 40 mm	repeat accuracy	0.05 mm
length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation during storage explosion protection category for dust 192 mm 40 mm 40 mm	Substance Prohibitance (Date)	07/01/2006
width of the sensor Ambient conditions ambient temperature • during operation • during storage -40 +85 °C -40 +90 °C explosion protection category for dust none	minimum actuating torque in directions of actuation	0.25 N·m
Ambient conditions ambient temperature • during operation • during storage • during storage -40 +85 °C -40 +90 °C explosion protection category for dust none	length of the sensor	192 mm
ambient temperature • during operation • during storage • during storage • during rotection category for dust -40 +85 °C -40 +90 °C explosion protection category for dust	width of the sensor	40 mm
 during operation during storage explosion protection category for dust -40 +85 °C none 	Ambient conditions	
• during storage -40 +90 °C explosion protection category for dust none	ambient temperature	
explosion protection category for dust none	 during operation 	-40 +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
nclosure	
design of the housing	block, narrow
material of the enclosure	metal
coating of the enclosure	cathodic dip coating
design of the housing according to standard	Yes
rive Head	
design of the actuating element	Adjustable twist lever, adjustable-length high-grade steel lever with ratche plastic roller 19 mm
standard-compliant actuator head	EN 50041, design A
shape of the switch head	roller
design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	1
cable entry type	1x (M20 x 1.5)
nstallation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
onnections/ 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
ommunication/ Protocol	
design of the interface	without
ertificates/ approvals	
General Product Approval	Functional Safety/Safety

chinery





Confirmation





Type Examination Cer-tificate

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,...)

Industry Mall (Online ordering system)

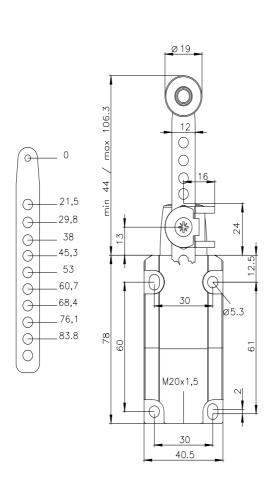
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0CH62-1AJ0

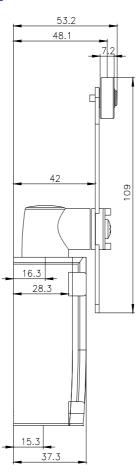
Cax online generator

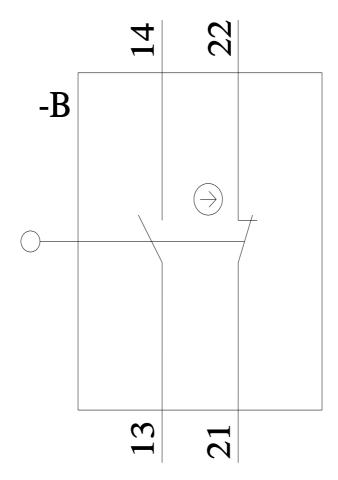
rt.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CH62-1AJ0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0CH62-1AJ0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CH62-1AJ0&lang=en







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