SIEMENS

Data sheet 3SE5112-0CH01



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, Metal lever 27 mm long and plastic roller 19 mm

product type designation product type designation of the supplied basic switch of the supplied basic switch of the supplied basic switch of the supplied pactuator head for position switches of the supplied actuator head for position switches of the supplied actuator head for position switches of the supplied switching contacts of the supplied switching contacts of the supplied empty enclosure with cover suitability for use safety switch Yes Ceneral sechnical data product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value degree of pollution class 3 surge voltage resistance rated value of kV protection class IP IP66I/P67 shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service Iffe (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) 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 Quick DIAZED fuse link continuous current of the Characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the OLAZED fuse link gO active principle mechanical substance Prohibitance (Data) minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 40 mm Ambient conditions ambient temperature during storage 40 uring design of the switching contact design of the switching contact	product brand name	SIRIUS
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of the supplied actuator head for position switches of the supplied operating lever of the supplied operating lever of the supplied operating contacts of the supplied whiching contacts of the supplied contacts of the supplied whiching contacts of the supplied contacts of	manufacturer's article number	
of the supplied operating lever of the supplied switching contacts of the supplied empty enclosure with cover sustability for use safety switch respectively switch	 of the supplied basic switch 	3SE5112-0CA00
of the supplied empty enclosure with cover 35E5112-0AA00 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 6 kV protection class IP IP66/IP67 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 electrical endurance (operating cycles) 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 torque in directions of actuation 0.25 N·m length of the sensor 127.5 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust	 of the supplied actuator head for position switches 	3SE5000-0AH00
of the supplied empty enclosure with cover suitability for use safety switch Ceneral technical data product function positive opening	 of the supplied operating lever 	3SE5000-0AA01
suitability for use safety switch Ceneral technical data product function positive opening	 of the supplied switching contacts 	3SE5000-0CA00
Product function positive opening	 of the supplied empty enclosure with cover 	3SE5112-0AA00
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 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 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 G 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating torque in directions of actuation 0.25 Nm vidth of the sensor 40 mm Ambient conditions ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust	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 30g / 11 ms vibration resistance according to IEC 60068-2-6 0.35 mm/5g 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 duick 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 40 mm Ambient conditions ambient temperature e during operation e during storage explosion protection category for dust	General technical data	
degree of pollution 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 (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 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 0 0.05 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	product function positive opening	Yes
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 (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current naterial 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 (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 (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 (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 (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 Quick DIAZED fuse link (10 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 Quick DIAZED fuse link (10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link (10 A; for a short-	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 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 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) minimum actuating torque in directions of actuation 0.25 N·m length of the sensor 40 mm Amblent conditions amblent temperature • during operation • during storage • during storage • during storage explosion protection category for dust	degree of pollution	class 3
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 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 G active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor 40 mm Ambient conditions ambient temperature during operation -25 +85 °C during storage explosion protection category for dust	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 *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 C characteristic MCB *continuous current of the DIAZED fuse link *continuous current of the DIAZED fuse link gG *active principle *repeat accuracy *substance Prohibitance (Date) *minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor **Ambient conditions **ambient temperature **during operation **condition category for dust **pred accuracy for dust **according to IEC 60068-2-6 **100 000 **100 000 **100 000 **100 000 **100 000 **100 000 **100 000 **100 000 **100 000 **100 000 **plastic *	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 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 continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link of Active principle repeat accuracy 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 amblent 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 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 0.05 mm Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor 40 mm Ambient conditions ambient temperature e during operation explosion protection category for dust 15 000 000 1	• according to IEC 60068-2-27	30g / 11 ms
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 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 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	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 gG active principle repeat accuracy Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor width of the sensor ambient temperature o during operation o during storage explosion protection category for dust 10 A plastic	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 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 Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature o during operation other in the sensor of the switch head plastic plasti	· · · · · · · · · · · · · · · · · · ·	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 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 none	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 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 40 mm Ambient conditions ambient temperature • during operation -25 +85 °C -40 +90 °C explosion protection category for dust	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 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 10 A; for a short-circuit current smaller than 400 A 6 A mechanical 707/01/2006 707/01/20	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 127.5 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation -25 +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 127.5 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation -25 +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 0.05 mm 07/01/2006 0.25 N·m 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 o during operation -25 +85 °C other during storage -40 +90 °C explosion protection category for dust	active principle	mechanical
minimum actuating torque in directions of actuation length of the sensor 127.5 mm width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust 0.25 N·m 127.5 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 • during storage explosion protection category for dust 127.5 mm 40 mm -25 +85 °C -40 +90 °C	Substance Prohibitance (Date)	07/01/2006
width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage • ambient temperature • ouring operation • conditions -25 +85 °C -40 +90 °C explosion protection category for dust	minimum actuating torque in directions of actuation	0.25 N·m
Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust -25 +85 °C -40 +90 °C explosion protection category for dust	length of the sensor	127.5 mm
ambient temperature • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none	width of the sensor	40 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, narrow
material of the enclosure	metal
coating of the enclosure	cathodic dip coating
design of the housing according to standard	Yes
Drive Head	
design of the actuating element	Twist lever, metal lever, 27 mm long, step 9 mm, 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)
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



General Product Approval

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

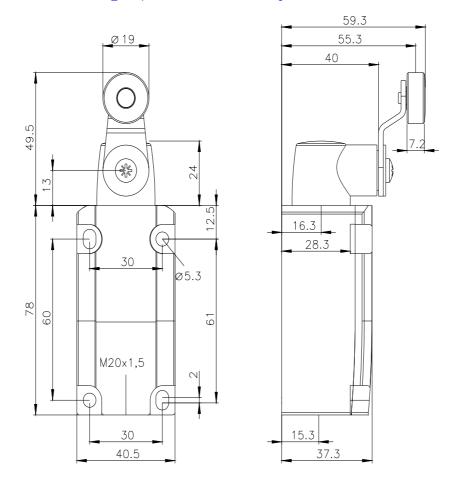
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0CH01

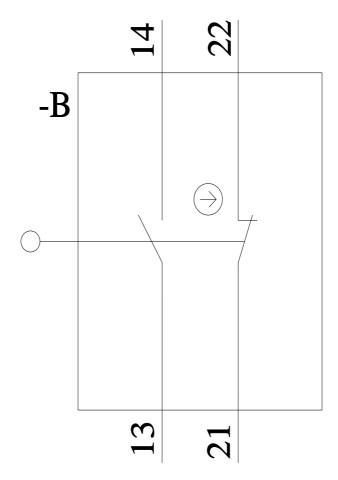
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CH01

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

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CH01&lang=en





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