SIEMENS

Data sheet 3SE5112-0LH50



Position switch Metal enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/2 NC quick action contacts adjustable with adjustable-length Metal lever 100 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 No 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 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 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 Other DIAZED fuse link gO active principle mechanical repeat accurred; Substance Prohibitance (Data) minimum actuating torque in directions of actuation 0.25 Nm Substance Prohibitance (Data) minimum actuating torque in directions of actuation 0.25 Nm longth of the sensor 40 mm Ambient conditions ambient temperature during storage 40 uring storage	product brand name	SIRIUS
manufacturer's article number • of the supplied basic switch • of the supplied declarator 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 No Ceneral technical data product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 400 V degree of pollution class 3 surge voltage resistance arted value • according to IEC 60068-2-27 suitability for use safety switch 1P66/IP67 shock resistance • according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 machanical service life (operating cycles) typical slectrical 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 DIAZED fuse link G active principle repeat accuracy Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor 40 mm Ambient conditions ambient temperature • during operation • during operation • during operation • during operation • during storage • 40 +90 °C **SE5500-0A-AD0 3SE5500-0-0A-AD0 3SE5500-0-0A-AD0 3SE5500-0-0A-AD0 3SE5500-0-0-0A-AD0 SE5500-0-0-0A-AD0 SE5500-0-0-0A-AD0 SE5500-0-0-0A-AD0 SE5500-0-0-0A-AD0 SE5500-0-0-0A-AD0 SE5500-0-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE5500-0-0A-AD0 **SE5500-0-0-0A-AD0 **SE55112-0A-AD0 **SE55	product designation	Mechanical position switches
of the supplied actuator head for position switches of the supplied actuator head for position switches of the supplied scheduling lever of the supplied switching contacts of the supplied empty enclosure with cover of the supplied switching contacts of the supplied switching contacts of the supplied empty enclosure with cover sates \$112.0AA00 suitability for use safety switch No Ceneral technical data product function positive opening No insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value of kV protection class IP shock resistance *according to IEC 60088-2-27	product type designation	3SE5
of the supplied actuator head for position switches of the supplied operating lever of the supplied operating lever of the supplied operating lever of the supplied operating contacts of the supplied whiching contacts of the supplied which contacts of the supplied whiching contacts of the supplied	manufacturer's article number	
of the supplied operating lever of the supplied switching contacts of the supplied writching contacts of the supplied empty enclosure with cover sustability for use safety switch No Coneral technical data product function positive opening No insulation voltage rated value degree of pollution diass 3 surge voltage resistance rated value protection class IP shock resistance • according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 o.35 mm/5g 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 plastic reference code according to IEC 81346-2 B continuous current of the Quick 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 which is a supplied with the sensor vibration resistance according to IEC 81346-2 B continuous current of the guick DIAZED fuse link gG 6 A 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 • during storage 40 +90 °C explosion protection category for dust	 of the supplied basic switch 	3SE5112-0LA00
of the supplied switching contacts of the supplied empty enclosure with cover 3SE5112-0AA00 suitability for use safety switch No General technical data product function positive opening No insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP shock resistance *according to IEC 60068-2-7 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical thermal current indurance (operating cycles) at AC-15 at 230 V typical thermal current	 of the supplied actuator head for position switches 	3SE5000-0AH00
of the supplied empty enclosure with cover suitability for use safety switch Ro General technical data product function positive opening insulation voltage rated value degree of pollution degree of pollution deass 3 surge voltage resistance rated value protection class IP profection class IP shock resistance * according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical delectrical endurance (operating cycles) typical thermal current material of the enclosure of the switch head plastic reference code according to IEC 81346-2 sontinuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link QG 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 during storage evelosion protection category for dust none	 of the supplied operating lever 	3SE5000-0AA50
suitability for use safety switch Ceneral technical data product function positive opening	 of the supplied switching contacts 	3SE5000-0LA00
Denotate technical data Product function positive opening No	 of the supplied empty enclosure with cover 	3SE5112-0AA00
product function positive opening No 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 N·m length 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	No
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 subration 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 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 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 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 60068-2-7 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 continuous current of the DIAZED fuse link gG active principle 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 • during storage explosion protection category for dust	product function positive opening	No
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 do active principle repeat accuracy Substance Prohibitance (Date) minimum actuating torque in directions of actuation length of the sensor 40 mm Amblent conditions ambient temperature • during operation • during storage explosion protection category for dust	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 -25 +85 °C • 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 plazeD 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 0 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 -40 +90 °C 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 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 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 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 -25 +85 °C • during storage explosion protection category for dust	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 in page members 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 e during storage explosion protection category for dust	• 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 o 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 A 0 A 0	· · · · · · · · · · · · · · · · · · ·	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 • during storage 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 mechanical 707/01/2006 707/01/2006 707/01/2006 708/01/2006 709/01/200	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 -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 192 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 o during storage explosion protection category for dust 07/01/2006 07/01/2006 07/01/2006 00.25 N·m 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 • during storage explosion protection category for dust 192 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 conditions -25 +85 °C • during storage -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 • and the storage -40 +90 °C explosion protection category for dust	length of the sensor	192 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	2
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	Adjustable twist lever, adjustable-length metal lever, plastic roller 19 mm
standard-compliant actuator head	EN 50041, design A
shape of the switch head	roller
circuit principle	snap-action contacts
number of switching contacts safety-related	0
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	Functional Safety/Safety of M

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,...)

https://www.siemens.com/ic10

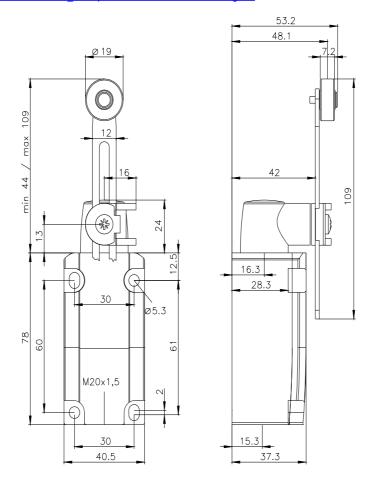
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0LH50

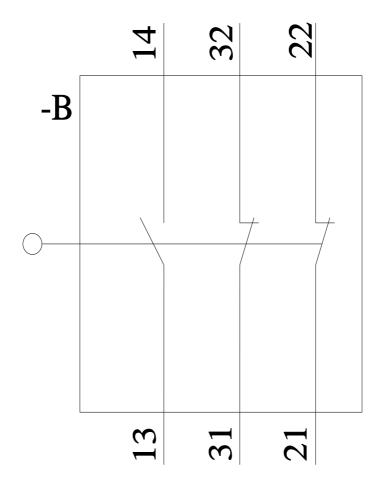
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0LH50

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=3SE5112-0LH50&lang=en





last modified: 1/26/2022 🖸