SIEMENS

Data sheet 3SE5112-0CF01



Position switch Metal enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC quick action contacts Angular roller lever, metal lever and plastic roller 22 mm

product designation 3SE5 manufacturer's article number • of the supplied basic switch • of the supplied actuator head for position switches 3SE5000-0AF01 • of the supplied actuator head for position switches of the supplied actuator head for position switches 3SE5000-0AF01 • of the supplied switching contacts 3SE5000-0CA00 • of the supplied empty enclosure with cover 3SE5112-0AA00 suitability for use safety switch Yes General technical data Product function positive opening Yes insulation voltage rated value 400 V degree of pollution class IP sprotection class IP sprotection 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 15 000 000 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 1A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G active principle mechanical mechanical smaller than 400 A continuous current of the DIAZED fuse link G active principle mechanical mechanical mechanical mechanical current smaller than 400 A continuous current of the DIAZED fuse link G active principle
manufacturer's article number of the supplied basic switch of the supplied actuator head for position switches of the supplied switching contacts of the supplied empty enclosure with cover of the supplied empty enclosure with cover of the supplied empty enclosure with cover sitability for use safety switch Yes General technical data product function positive opening Yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value brotection class IP shock resistance o according to IEC 60068-2-27 sivibration 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 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 g6 active principle mechanical mechanical of the supplied actuator head for position switches 3SE5000-0AF01 3SE5000-0A000 collaboration supplied accurate switch saller 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 g6 active principle
of the supplied basic switch of the supplied actuator head for position switches of the supplied switching contacts of the supplied empty enclosure with cover of the supplied empty enclosure with cover suitability 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 of kV protection class IP shock resistance • according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 os simple of the continuous current of the characteristic MCB continuous current of the C characteristic MCB continuous current of the DIAZED fuse link gG active principle set the supplied extracteristic MCB supplied extracteristic M
of the supplied actuator head for position switches of the supplied switching contacts of the supplied empty enclosure with cover suitability for use safety switch Pres General technical data product function positive opening insulation voltage 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 inschalcal 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 southworse witch head continuous current of the C characteristic MCB continuous current of the duick DIAZED fuse link g active principle sissessimplies 3SE5000-0CA00 3SE5112-0AA00 3SE5112-0AA00 3SE5112-0AA00 3SE5112-0AA00 3SE5010-0CA00 3SE5112-0AA00 400 V 400
of the supplied switching contacts of the supplied empty enclosure with cover 3SE5112-0AA00 suitability for use safety switch Yes General technical data product function positive opening Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value for the suitability of the series of the suitability of the suitability of the series of the suitability of the s
of the supplied empty enclosure with cover suitability for use safety switch Yes General technical data product function positive opening Yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value P66/IP67 P66/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 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 DIAZED fuse link gG active principle mechanical A00 V Vyes A00 V Cass 3 A00 V Cass 3 A00 V Cass 3 Cass Cass Cass Cass Cass Cass Cass Cas
suitability for use safety switch General technical data product function positive opening 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 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 DIAZED fuse link g active principle mechanical
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 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 active principle mechanical
insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value fok 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) 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 gG active principle active principle Av do V do V do V do V class 3 surge voltage resistance aclass 3 surge voltage resistance aclass 3 surge voltage resistance aclass 3 surge voltage aclass 3 surge
insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP lP66/IP67 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 B 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 active principle according to IEC 8134E-2 mechanical
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 material of the enclosure of the switch head reference code according to IEC 81346-2 continuous current of the C characteristic MCB 10 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
surge voltage resistance rated value protection class IP IP66/IP67 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 accontinuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle B IP66/IP67 AV B C0.35 mm/5g 15 000 000 100 000
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 continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle IP66/IP67 30g / 11 ms 30g / 11 ms 15 000 000 1
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 continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle according to IEC 81068-2-6 30g / 11 ms 45 000 000 100 0
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
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 continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle 0.35 mm/5g 10 0000 100 000
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 total continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle 15 000 000 100 000
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 to a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link to A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link mechanical
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 to A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link to A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG active principle mechanical
material of the enclosure of the switch head reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 6 A active principle mechanical
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 B 1 A; for a short-circuit current smaller than 400 A 10 A; for a short-circuit current smaller than 400 A 6 A mechanical
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
continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle 10 A; for a short-circuit current smaller than 400 A 6 A mechanical
continuous current of the DIAZED fuse link gG 6 A active principle mechanical
active principle mechanical
repeat accuracy 0.05 mm
Substance Prohibitance (Date) 07/01/2006
SVHC substance name Imidazolidin-2-thion - 96-45-7
minimum actuating force in directions of actuation 10 N
length of the sensor 118 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 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	Angular roller lever, metal lever, plastic roller	
standard-compliant actuator head	EN 50041	
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		Functional Safety/Safety of Ma- chinery



Confirmation







Type Examination Certificate

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=3SE5112-0CF01

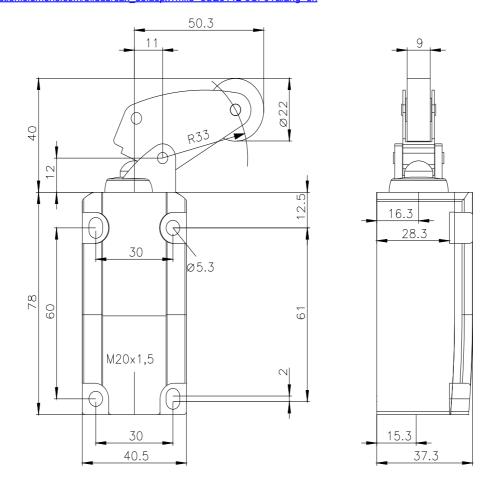
Cax online generator

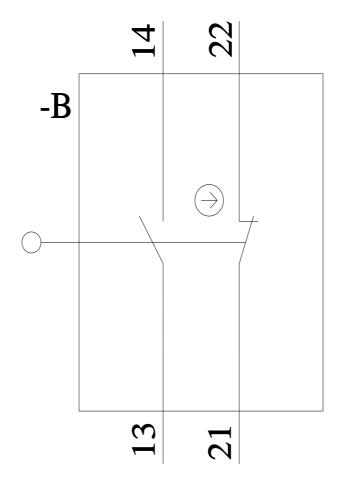
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CF01

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0CF01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CF01&lang=en





last modified: 9/5/2023 🖸