SIEMENS

Data sheet 3SE5112-0QV10



Safety position switch with separate actuator Metal enclosure, 40 mm Device connection 1x (M20 x 1.5) Slow-action contacts 1 NO/2 NC 5 directions of approaches The matching separate actuator 3SE5000-0AV0. must be ordered separately

product brand name product designation product type designation manufacturer's article number

of the optional actuators

SIRIUS

Mechanical safety switches

3SE5

3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with horizontal mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy-duty actuator, 3SE5000-0AW11 plastic actuator, 3SE5000-0AW21 stainless steel actuator

Yes

suitability for use safety switch

General technical data

product function positive opening insulation voltage rated value 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

electrical endurance (operating cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,

3RT1026 typical

Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,

3RT1026

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

repeat accuracy

Substance Prohibitance (Date)

minimum actuating force in directions of actuation

length of the sensor width of the sensor

Yes

400 V class 3

6 kV

IP66/IP67

30g / 11 ms

0.35 mm/5g

1 000 000 100 000

100 000

1 000 000

6 000

10 A

metal

В

1 A; for a short-circuit current smaller than 400 A 10 A; for a short-circuit current smaller than 400 A

6 A; for a short-circuit current smaller than 400 A

mechanical 0.05 mm

07/01/2006

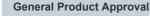
20 N 110 mm 40 mm

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	2
number of NO contacts for auxiliary contacts	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 	4 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	without
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	2
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)
 at AWG cables solid 	1x (20 16), 2x (20 18)
 at 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
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures with high demand rate	20 %
according to SN 31920	
Certificates/ approvals	
General Product Approval	





Confirmation









Functional Safety/Safety of Machinery

Declaration of Conformity

other

Type Examination Certificate





Confirmation

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=3SE5112-0QV10

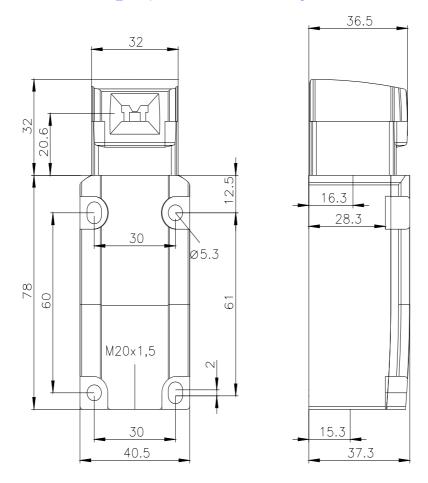
Cax online generator

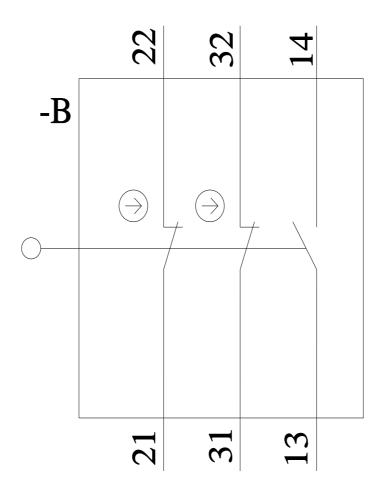
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0QV10

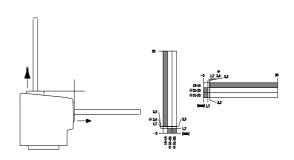
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0QV10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0QV10&lang=en







last modified: 2/3/2022 🖸