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	SIRIUS	
product designation	Mechanical safety switches	
product type designation	3SE5	
manufacturer's article number		
of the optional actuators	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	
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 60068-2-27	30g / 11 ms	
vibration resistance according to IEC 60068-2-6	0.35 mm/5g	
mechanical service life (operating cycles) typical	1 000 000	
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000	
thermal current	10 A	
material of the enclosure of the switch head	metal	
reference code according to IEC 81346-2	В	
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; 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 force in directions of actuation	20 N	
length of the sensor	110 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	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	
Prive 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)	
nstallation/ 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	
Safety related data		
B10 value with high demand rate according to SN 31920	1 000 000	
proportion of dangerous failures with high demand rate according to SN 31920	20 %	
Certificates/ approvals		
General Product Approval		Functional Safety/Safety of M

General Product Approval

Safety/Safety of Machinery



Confirmation







Type Examination Cer-tificate

Declaration of Conformity

other





Confirmation

Siemens has decided to exit the Russian market (see here).

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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

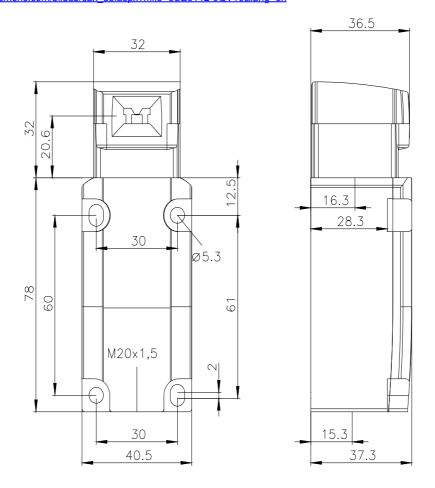
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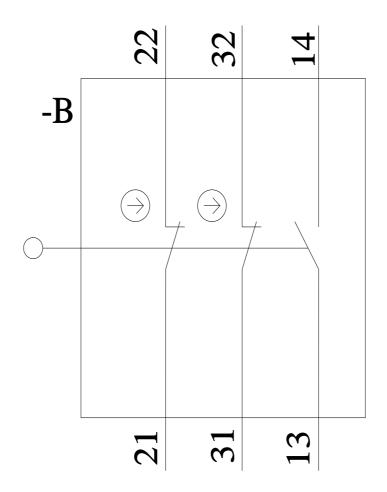
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0QV10

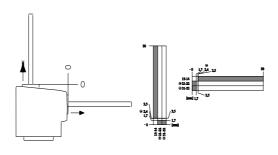
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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







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