SIEMENS

Data sheet

3SE5114-0QV10-1AJ4



Safety position switch with separate actuator, metal enclosure 40 mm, slow-action contact 2 NC, with M12 plug, plastic 5-pole, maximum 125 V, 4 A, 2 NC connected, 5 directions of approach. Functional at -40 °C shock and vibration test according to DIN EN 61373, Cat. 1B. The matching separate actuator 3SE5000-0AV./W. must be ordered separately.

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

	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	125 V
degree of pollution	class 3
surge voltage resistance rated value	1.5 kV
protection class IP	IP66/IP67
shock resistance	
• according to IEC 60068-2-27	30g / 11 ms
 for railway applications according to EN 61373 	Category 1, Class B
vibration resistance according to IEC 60068-2-6	0.35 mm/5g
mechanical service life (operating cycles) typical	1 000 000
thermal current	4 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	4 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	4 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	124 mm
width of the sensor	40 mm
Ambient conditions	
ambient temperature	
 during operation 	-40 +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	4 A

at 125 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			
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	without		
design of the switching function	positive opening			
circuit principle	slow-action contacts			
number of switching contacts safety-related	2			
cable entry type	M12 plug	M12 plug		
design of plug-in connection	M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32, Pin 5 = PU			
Installation/ mounting/ dimensions				
mounting position	any			
fastening method	screw fixing	screw fixing		
Connections/ Terminals				
type of electrical connection	M12 plug, fixed			
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 Ma-		



Confirmation







Type Examination Cer**tificate**

chinery

Declaration of Conformity

other





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=3SE5114-0QV10-1AJ4

Cax online generator

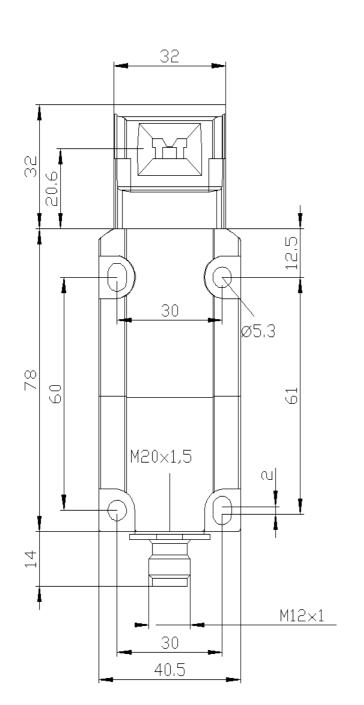
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0QV10-1AJ4

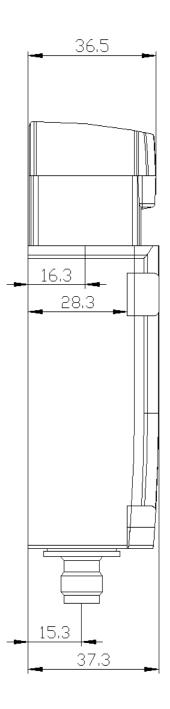
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

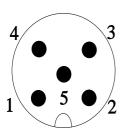
https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-0QV10-1AJ4

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

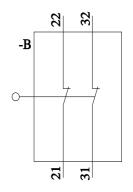
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0QV10-1AJ4&lang=en

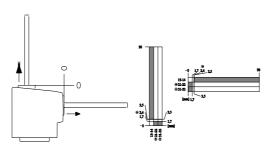






1	BN = Brown	\rightarrow	21
2	WH = White	\rightarrow	22
3	BU = Blue	\rightarrow	31
4	BK = Black	\rightarrow	32
5	GN/YE = Green/Yellow	\rightarrow	(1)





last modified:

1/26/2022