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.

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	125 V		
degree of pollution	class 3		
surge voltage resistance rated value	1.5 kV		
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		
SVHC substance name	Lead - 7439-92-1		
Weight	0.479 kg		
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		
Main circuit			
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
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	2
cable entry type	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
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	
proportion of dangerous failures with high demand rate according to SN 31920	20 %
B10 value with high demand rate according to SN 31920	1 000 000
Approvals Certificates	
General Product Approval	









Confirmation





Functional Saftey other Environment



Confirmation

Environmental Confirmations

Further information

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)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5114-0QV10-1AJ4}$

Cax online generator

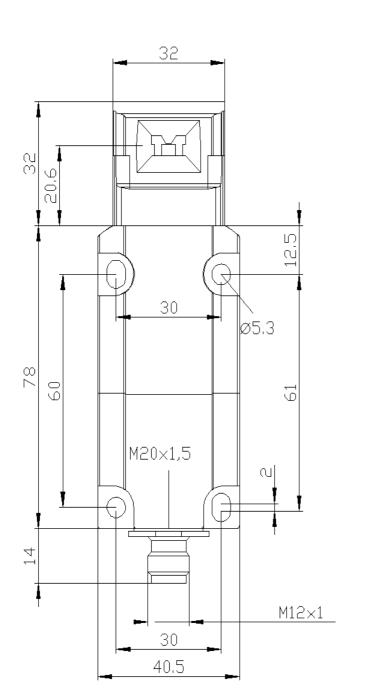
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0QV10-1AJ4

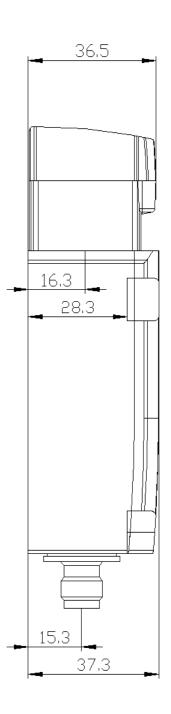
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

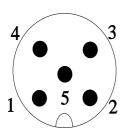
https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-0QV10-1AJ4

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

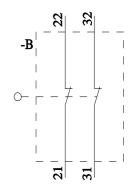
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0QV10-1AJ4&lang=en

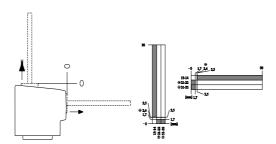






1	BN = Brown	\rightarrow	21
2	WH = White	\rightarrow	22
3	BU = Blue	\rightarrow	31
4	BK = Black	\rightarrow	32
5	GN/YE = Green/Yellow	\rightarrow	(1)





last modified:

3/11/2024