SIEMENS

Data sheet

3SE5114-0LB01-1AE3



position switch with plain plunger, stainless steel plunger metal enclosure 40 mm according to EN 50041. device connection with M12 plug, 5-pole, fixed 1 NO/2 NC quick action contacts (2 NO and PE connected) maximum 125 V, 4 A. Pin1=21, Pin4=22 Pin2=31, Pin5=32 Pin3=PE. suitable for connection to all SIMATIC ET200* compact block I/O modules.

product designation Mechanical safety switches product type designation 3SE5 manufacturer's article number - of the supplied saic switch 3SE5 a of the supplied switching contacts 3SE5 suitability for use safety switch Yes Goneral technical data - product function positive opening Yes insulation voltage rated value 125 V degree of pollution class 3 surge voltage resistance rated value 125 V protection class IP IP660/P67 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 Iife (operating cycles) typical 15 000 000 thermal current 4A reference code according to IEC 81346-2 B continuous current of the Quick DIAZED fuse link 4A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link dA A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link dA A; for a short-circuit current smaller than 400 A <	product brand name	SIRIUS
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repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Blei - 7439-92-1 Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 103.5 mm width of the sensor 40 mm Ambient conditions -25 +85 °C	continuous current of the DIAZED fuse link gG	4 A
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width of the sensor 40 mm Ambient conditions ambient temperature • during operation -25 +85 °C	minimum actuating force in directions of actuation	20 N
Ambient conditions ambient temperature • during operation -25 +85 °C	length of the sensor	103.5 mm
ambient temperature • during operation -25 +85 °C	width of the sensor	40 mm
• during operation -25 +85 °C	Ambient conditions	
	ambient temperature	
• during storage -40 +90 °C	during operation	-25 +85 °C
	 during storage 	-40 +90 °C
explosion protection category for dust none	explosion protection category for dust	none
design of the switching contact mechanical		mechanical
operating frequency rated value 50 60 Hz	operating frequency rated value	50 60 Hz
number of NC contacts for auxiliary contacts 2	number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts 1	number of NO contacts for auxiliary contacts	1
operational current at AC-15	operational current at AC-15	

• at 24 V rated value		5 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, narrov	N			
material of the enclosure		metal				
coating of the enclosure		cathodic dip coating				
design of the housing according to standard	l	Yes				
Drive Head						
design of the actuating element		plunger				
design of the switching function		Positive ope	ning with appropri	ate positive opening act	uator head	
circuit principle		snap-action	contacts			
number of switching contacts safety-related		2				
cable entry type		M12 plug				
design of plug-in connection		M12 connector, 5-pin: Pin 1= terminal 21, pin 2= 31, pin 3= PE, pin 4= 22, pin 5= 32				
Installation/ mounting/ dimensions						
mounting position	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				
Certificates/ approvals						
General Product Approval					Functional Safety/Safety of Ma- chinery	
	<u>Confirmatio</u>	n	(U) II	EHC	<u>Type Examination Cer-</u> tificate	
Declaration of Conformity	Test Certificate	es othe	r			
	<u>Type Test Cer</u> ates/Test Rep		<u>Confirmation</u>			
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=3SE5114-0LB01-1AE3

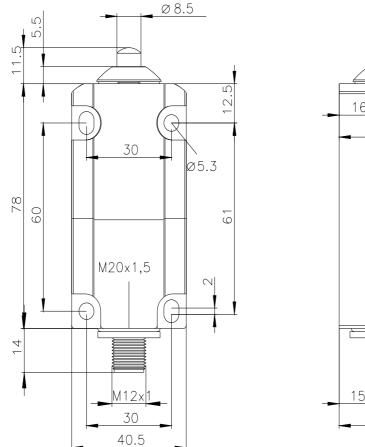
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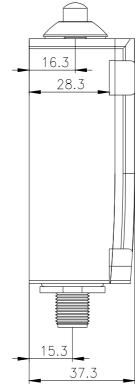
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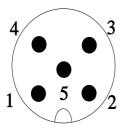
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-0LB01-1AE3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0LB01-1AE3&lang=en







1	$\mathbf{BN} = \mathbf{Brown}$	\rightarrow	21
2	WH = White	\rightarrow	31
3	GN/YE = Green/Yellow	\rightarrow	(±
4	BK = Black	\rightarrow	22
5	GY = Grey	\rightarrow	32

