SIEMENS

Data sheet 3SE5114-0LA00-1AE3

Basic switch with M12 connector for position switch 3SE51 Metal enclosure 40 mm according to EN 50041. Device connection with M12 connector, 5-pole, fixed 1 NO/2 NC quick action contacts (2 NC and PE connected) Max. 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 brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SE5
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
mechanical service life (operating cycles) typical	15 000 000
thermal current	4 A
reference code according to IEC 81346-2	B
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
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (Date)	07/01/2006
SVHC substance name	Lead - 7439-92-1 Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7
minimum actuating force in directions of actuation	20 N
length of the sensor	99.7 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	4 A
● at 125 V rated value	4 A
operational current at DC-13	
● at 24 V rated value	3 A

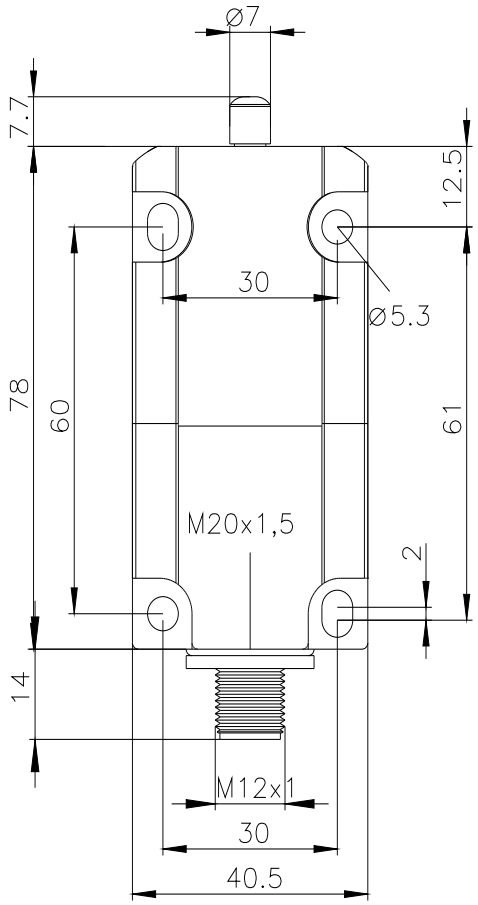
● at 125 V rated value	0.55 A
Enclosure	
design of the housing	block, narrow
material of the enclosure	metal
coating of the enclosure	cathodic dip coating
design of the housing according to standard	Yes
Drive Head	
design of the actuating element	Other, without, basic switch with plug
design of the switching function	Positive opening with appropriate positive opening actuator 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	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
Approvals Certificates	
General Product Approval	

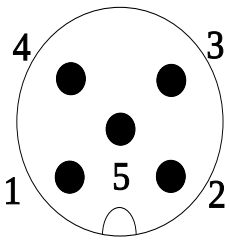
Confirmation


General Product Approval	Functional Saftey	Test Certificates	other
EAC	TÜV	Type Test Certificates/Test Report	Confirmation

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)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5114-0LA00-1AE3
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0LA00-1AE3
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-0LA00-1AE3
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0LA00-1AE3&lang=en





1	BN = Brown	→	21
2	WH = White	→	31
3	GN/YE = Green/Yellow	→	⏚
4	BK = Black	→	22
5	GY = Grey	→	32