



position switch with plain plunger, high-grade steel plunger metal enclosure 40 mm according to DIN EN 50041. device connection with M12 plug, 5-pole, fixed 1 NO/2 NC quick action contacts (2 NC and PE connected) maximum 125 V, 4 A Pin1=21, Pin4=22 Pin2=31, Pin5=32 Pin3=PE, suitable for connection to all SIMATIC ET 200 compact block I/O modules

product brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SE5
manufacturer's article number	
• of the supplied basic switch	3SE5114-0LA00-1AE3
• of the supplied switching contacts	3SE5000-0LA00
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	30 g / 11 ms
vibration resistance according to IEC 60068-2-6	0.35 mm/5 g
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 CAS-No. 7439-92-1 Imidazolidine-2-thione (2-imidazoline-2-thiol) CAS-No. 96-45-7
Net Weight	0.323 kg
minimum actuating force in directions of actuation	20 N
length of the sensor	103.5 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
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	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, 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	plunger
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
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Safety related data

product function suitable for safety function	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
• with low demand rate according to SN 31920	20 %
• with high demand rate according to SN 31920	20 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT

ISO 13849

device type according to ISO 13849-1	3
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IEC 61508

safety device type according to IEC 61508-2	A
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Approvals Certificates

General Product Approval	Test Certificates
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[Type Test Certificates/Test Report](#)

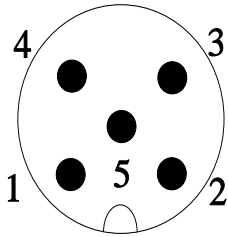
other Environment

[Confirmation](#)

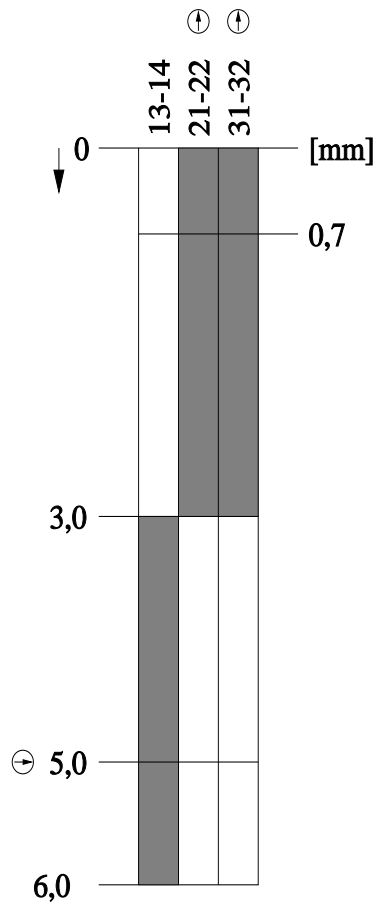
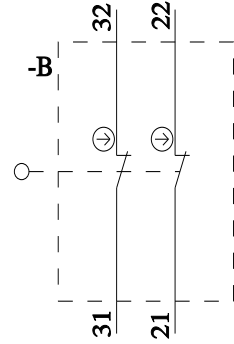


[Environmental Confirmations](#)

Further information



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



last modified:

4/4/2026