



Position switch Metal enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC quick action contacts Spring rod actuator 142.5 mm total length with plastic plunger 50 mm

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
• of the supplied basic switch • of the supplied actuator head for position switches • of the supplied switching contacts • of the supplied empty enclosure with cover	3SE5112-0CA00 3SE5000-0AR01 3SE5000-0CA00 3SE5112-0AA00
General technical data	
product function positive opening	No
insulation voltage rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	6 kV
protection class IP	IP65/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	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
thermal current	10 A
material of the enclosure of the switch head	plastic
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	10 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	6 A
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (day/month/year)	07/01/2006
SVHC substance name	Imidazolidine-2-thione (2-imidazoline-2-thiol) CAS-No. 96-45-7
Net Weight	0.361 kg
minimum actuating torque in directions of actuation	0.25 N·m
length of the sensor	220.3 mm
width of the sensor	40 mm
Ambient conditions	
ambient temperature	
• during operation • during storage	-25 ... +85 °C -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	1
number of NO contacts for auxiliary contacts	1
operational current at AC-15 - at 24 V rated value - at 125 V rated value - at 240 V rated value - at 400 V rated value	6 A 6 A 6 A 4 A
operational current at DC-13 - at 24 V rated value - at 125 V rated value - at 250 V rated value - at 400 V rated value	3 A 0.55 A 0.27 A 0.12 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	Spring rod, total length = 142.5 mm (spring 50 mm + plastic plunger 50 mm)
outer diameter of the switch head	7 mm
circuit principle	snap-action contacts
number of switching contacts safety-related	0
cable entry type	1x (M20 x 1.5)

Installation/ mounting/ dimensions

mounting position	any
fastening method	screw fixing

Connections/ Terminals

type of electrical connection	screw terminal
type of connectable conductor cross-sections - solid - finely stranded with core end processing - for AWG cables solid - for AWG cables stranded	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) 1x (20 ... 16), 2x (20 ... 18) 1x (20 ... 16), 2x (20 ... 18)
design of the interface for safety-related communication	without

Communication/ Protocol

design of the interface	without
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Approvals Certificates

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

other	Environment
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[Confirmation](#)



[Environmental Confirmations](#)



Further information

Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
Information for data generation and storage
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
Information- and Downloadcenter (Catalogs, Brochures,...)
<https://www.siemens.com/ic10>



