SIEMENS

Data sheet

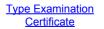
3SE5112-0CB01



Position switch Metal enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC quick action contacts Plain plunger, stainless steel

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
 of the supplied basic switch 	3SE5112-0CA00
 of the supplied actuator head for position switches 	<u>3SE5000-0AB01</u>
 of the supplied switching contacts 	<u>3SE5000-0CA00</u>
 of the supplied empty enclosure with cover 	<u>3SE5112-0AA00</u>
suitability for use safety switch	Yes
General technical data	
product function positive opening	Yes
insulation voltage rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	6 kV
protection class IP	IP66/IP67
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 life (switching cycles) typical	15 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000
electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	10 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
thermal current	10 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	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 (Date)	07/01/2006
minimum actuating force in directions of actuation	20 N
length of the sensor	85.7 mm
width of the sensor	40 mm
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 	6 A
 at 125 V rated value 	6 A
 at 240 V rated value 	6 A
• at 400 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
 at 250 V rated value 	0.27 A
• at 400 V rated value	0.12 A
design of the interface for safety-related communication	without
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	Rounded plunger, high-grade steel plunger
standard-compliant actuator head	EN 50041, design B
shape of the switch head	rounded
design of the switching function	positive opening
circuit principle	_ snap-action contacts
number of switching contacts safety-related	1
Connections/ Terminals	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
solid	$1 \times (0.5 - 1.5 \text{ mm}^2) \times (0.5 - 0.75 \text{ mm}^2)$
	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
 finely stranded with core end processing at AWG cables solid 	1x (0.5 1.5 mm), 2x (0.5 0.75 mm) 1x (20 16), 2x (20 18)
at AWG cables stranded	1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18)
	1x (M20 x 1.5)
cable entry type Communication/ Protocol	1X (IVIZU X 1.5)
	1.1.14h p. 1.4
design of the interface	without
Ambient conditions	
ambient temperature	
 during operation 	-25 +85 °C
during storage	-40 +90 °C
explosion protection category for dust	none
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Certificates/ approvals	
General Product Approval	
Confirmat	
Functional Safety/Safety of Declaration of Conformity	Test Certificates other







<u>Type Test Certific-</u> ates/Test Report **Confirmation**

Further information

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=3SE5112-0CB01

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CB01

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

https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0CB01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CB01&lang=en

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