



Position switch with plastic enclosure Control cabinet type without mounting plate EN 50047, 1 x (M20 x 1.5) integrated (not replaceable) Rounded plunger Degree of protection IP40, with Self-sealing grommet Standard cover, turquoise without locking sheet metal, without gasket, without screws

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
suitability for use safety switch	Yes
<b>General technical data</b>	
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	IP40
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 (operating cycles) typical	15 000 000
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 Prohibition (Date)	07/01/2006
Weight	0.068 kg
minimum actuating force in directions of actuation	20 N
length of the sensor	75.7 mm
width of the sensor	31 mm
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +85 °C
• during storage	-40 ... +90 °C
explosion protection category for dust	none
<b>Main circuit</b>	
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

<b>operational current at AC-15</b>	
• at 24 V rated value	6 A
• at 120 V rated value	6 A
• at 240 V rated value	6 A
• at 400 V rated value	4 A
<b>operational current at DC-13</b>	
• 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

<b>Enclosure</b>	
<b>design of the housing</b>	block, narrow
<b>material of the enclosure</b>	plastic
<b>coating of the enclosure</b>	Other types
<b>design of the housing according to standard</b>	Yes

<b>Drive Head</b>	
<b>design of the actuating element</b>	Rounded plunger, plastic plunger
<b>standard-compliant actuator head</b>	EN 50047, design B
<b>shape of the switch head</b>	rounded
<b>design of the switching function</b>	positive opening, integrated
<b>circuit principle</b>	snap-action contacts
<b>number of switching contacts safety-related</b>	1
<b>cable entry type</b>	1x (M20 x 1.5)

<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	screw fixing

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

<b>Communication/ Protocol</b>	
<b>design of the interface</b>	without

<b>Approvals Certificates</b>	
<b>General Product Approval</b>	<b>Test Certificates</b>



[Type Test Certificates/Test Report](#)

<b>other</b>	<b>Environment</b>
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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>

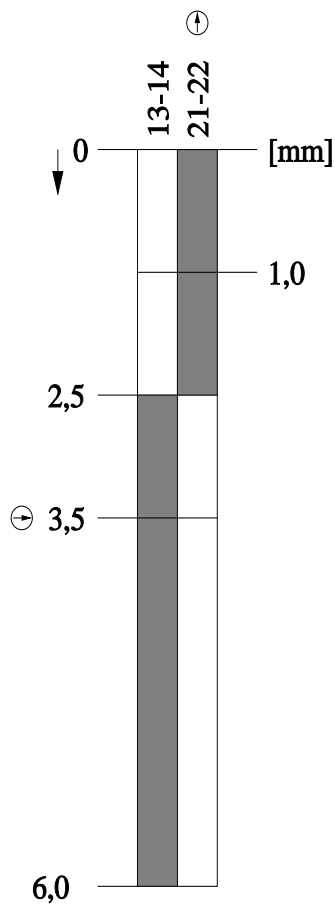
**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5232-0HC05-1AB3>

**Cax online generator**

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-0HC05-1AB3>





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