



Position switch in compact design 40 mm wide with connection cable 2 m Snap-action contacts 1 NO+1 NC with roller plunger

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	3
surge voltage resistance rated value	4 kV
protection class IP	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	5 000 000
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	stainless steel
reference code according to IEC 81346-2	B
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (Date)	07/01/2006
Net Weight	0.305 kg
minimum actuating force in directions of actuation	15 N
length of the sensor	70 mm
width of the sensor	40 mm
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +85 °C
• during storage	-25 ... +85 °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	1
number of NO contacts for auxiliary contacts	1
operational current at AC-15	
• at 125 V rated value	6 A

• at 230 V rated value	3 A
<b>operational current at DC-13</b>	
• at 125 V rated value	0.55 A
• at 230 V rated value	0.27 A

<b>Enclosure</b>	
design of the housing	block
material of the enclosure	metal
coating of the enclosure	painted
design of the housing according to standard	No
material of cable sheath	PVC

<b>Drive Head</b>	
design of the actuating element	roller plunger
shape of the switch head	roller
design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	1

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

<b>Connections/ Terminals</b>	
type of electrical connection	cable, 5 x 0.75mm <sup>2</sup>
design of the interface for safety-related communication	without

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

**Approvals Certificates**

General Product Approval	Maritime application
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**Environment**

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**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=3SE5423-0CD20-1EA2>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5423-0CD20-1EA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5423-0CD20-1EA2>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5423-0CD20-1EA2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5423-0CD20-1EA2&lang=en)



