



Position switch in compact design 40 mm wide with connector plug M12 Snap-action contacts 1 NO+1 NC with roller plunger

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Mechanical position switches
<b>product type designation</b>	3SE5
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
<b>insulation voltage rated value</b>	400 V
<b>degree of pollution</b>	3
<b>surge voltage resistance rated value</b>	4 kV
<b>protection class IP</b>	IP67
<b>shock resistance</b>	
• according to IEC 60068-2-27	30g / 11 ms
<b>vibration resistance according to IEC 60068-2-6</b>	0.35 mm/5g
<b>mechanical service life (operating cycles) typical</b>	5 000 000
<b>electrical endurance (operating cycles) at AC-15 at 230 V typical</b>	100 000
<b>thermal current</b>	10 A
<b>material of the enclosure of the switch head</b>	stainless steel
<b>reference code according to IEC 81346-2</b>	B
<b>active principle</b>	mechanical
<b>repeat accuracy</b>	0.05 mm
<b>Substance Prohibition (Date)</b>	07/01/2006
<b>minimum actuating force in directions of actuation</b>	15 N
<b>length of the sensor</b>	70 mm
<b>width of the sensor</b>	40 mm
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
• during operation	-25 ... +85 °C
• during storage	-25 ... +85 °C
<b>explosion protection category for dust</b>	none
<b>design of the switching contact</b>	mechanical
<b>operating frequency rated value</b>	50 ... 60 Hz
<b>number of NC contacts for auxiliary contacts</b>	1
<b>number of NO contacts for auxiliary contacts</b>	1
<b>operational current at AC-15</b>	
• 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

Enclosure	
design of the housing	block
material of the enclosure	metal
coating of the enclosure	painted
design of the housing according to standard	No
Drive Head	
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
design of plug-in connection	M12 connector, 5-pole: pin 1= terminal BK, pin 2= BK/WH, pin 3= BU, pin 4= BN, pin 5= GN/YE
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	M12 plug, fixed, 5-pole
design of the interface for safety-related communication	without
Communication/ Protocol	
design of the interface	without
Certificates/ approvals	
General Product Approval	



[Confirmation](#)



other

[Confirmation](#)

#### Further information

**Siemens has decided to exit the Russian market (see here).**

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

**Siemens is working on the renewal of the current EAC certificates.**

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**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=3SE5423-0CD20-1EB1>

**Cax online generator**

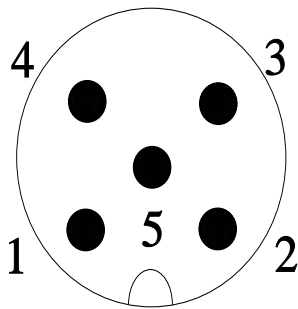
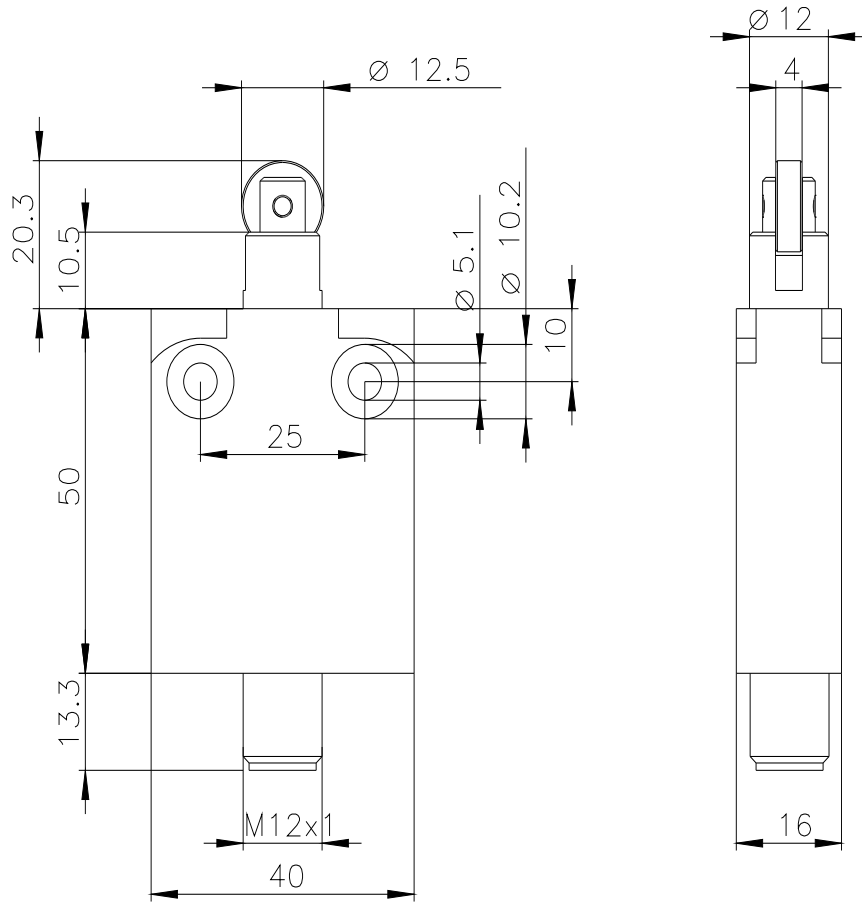
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5423-0CD20-1EB1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5423-0CD20-1EB1>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5423-0CD20-1EB1&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5423-0CD20-1EB1&lang=en)



1	→	22
2	→	21
3	→	14
4	→	13
5	→	PE

