



Position switch Metal enclosure 40 mm according to EN 50041 Roller plunger with stainless steel roller 13 mm with 3 mm overtravel, 2 NO/1 NC slow-action contacts, Device connection 1x (M20 x 1.5), Increased actuating/restoring force 30 N only available as complete unit

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
• of the supplied switching contacts	<a href="#">3SE5000-0PA00</a>
suitability for use safety switch	Yes
<b>General technical data</b>	
product function positive opening	Yes
insulation voltage rated value	250 V
degree of pollution	class 3
surge voltage resistance rated value	4 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 (operating cycles) typical	3 000 000
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	metal
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 (Date)	07/01/2006
minimum actuating force in directions of actuation	30 N
length of the sensor	116.3 mm
width of the sensor	40 mm
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +85 °C
• during storage	-40 ... +90 °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	2
operational current at AC-15	

<ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 125 V rated value</li> <li>• at 240 V rated value</li> <li>• at 400 V rated value</li> </ul>	6 A 6 A 6 A 4 A
<b>operational current at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 125 V rated value</li> <li>• at 250 V rated value</li> <li>• at 400 V rated value</li> </ul>	3 A 0.55 A 0.27 A 0.12 A
<b>Enclosure</b>	
<b>design of the housing</b>	block, narrow
<b>material of the enclosure</b>	metal
<b>coating of the enclosure</b>	cathodic dip coating
<b>design of the housing according to standard</b>	Yes
<b>Drive Head</b>	
<b>design of the actuating element</b>	Roller plunger, high-grade steel roller
<b>standard-compliant actuator head</b>	EN 50041, design C
<b>shape of the switch head</b>	roller
<b>design of the switching function</b>	positive opening
<b>circuit principle</b>	slow-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-type terminals
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded with core end processing</li> <li>• for AWG cables solid</li> <li>• for AWG cables stranded</li> </ul>	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) 1x (20 ... 16), 2x (20 ... 18) 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>Certificates/ approvals</b>	
<b>General Product Approval</b>	



[Confirmation](#)



General Product Approval	Test Certificates	other
--------------------------	-------------------	-------



[Type Test Certificates/Test Report](#)

[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

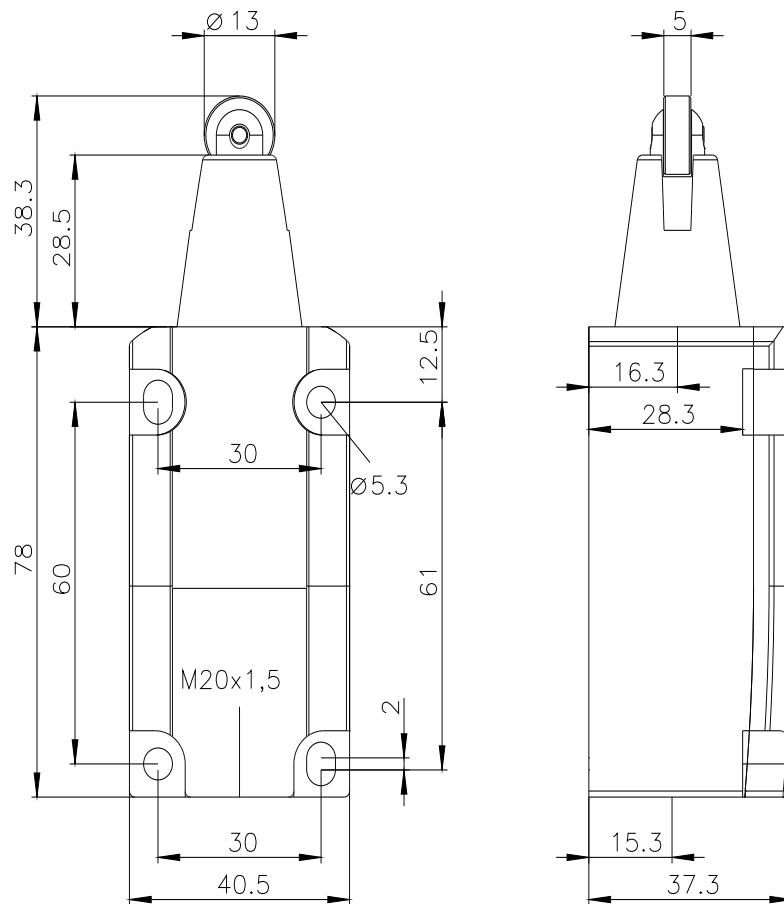
<https://support.industry.siemens.com/cs/ww/en/view/109813875>

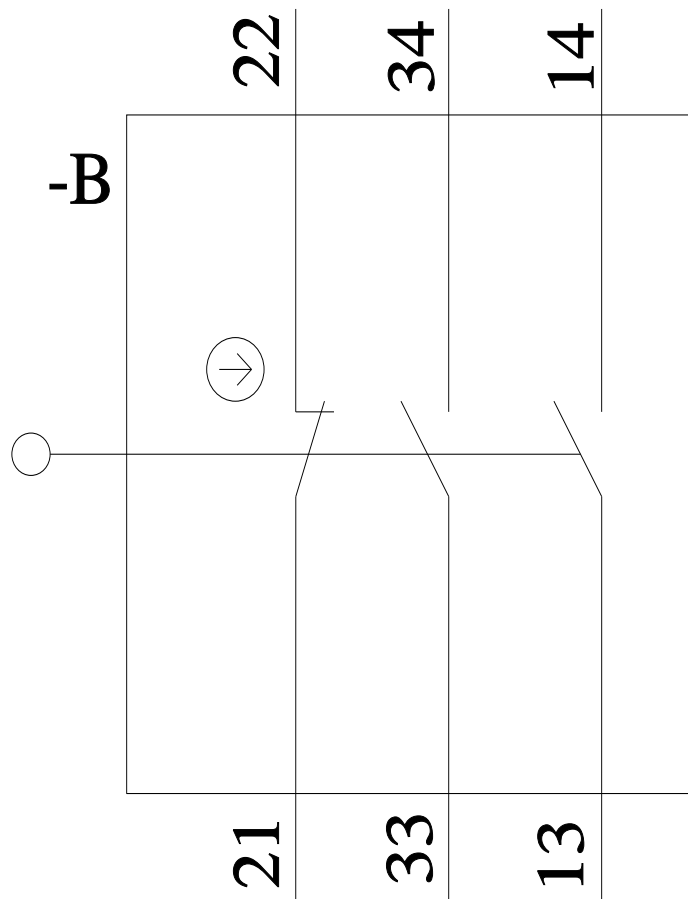
Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0PD02-1AA7>





last modified:

1/26/2022