



SIRIUS POSITION SWITCH;
 PLASTIC HOUSING ACC. TO EN50047,
 50MM DEVICE CONNECTION 2X(M20X1.5);
 1NO/1NC SNAP-ACTION CONTACTS TEFLON PLUNGER

Manufacturer article number

- of the basic unit included in the scope of supply

[3SE5242-0HC05](#)

General technical details:

product designation

standard position switch

Insulation voltage

- rated value

V 400

Degree of pollution

class 3

Thermal current

A 6

Operating current

- at AC-15
 - at 24 V / rated value
 - at 125 V / rated value
 - at 230 V / rated value
 - at 400 V / rated value
- at DC-13
 - at 24 V / rated value
 - at 125 V / rated value
 - at 230 V / rated value
 - at 400 V / rated value

A	6
A	6
A	3
A	4
A	3
A	0.55
A	0.27
A	0.1

Continuous current

<ul style="list-style-type: none"> • of the slow DIAZED fuse link • of the quick DIAZED fuse link • of the C characteristic circuit breaker 	A	6
	A	10
	A	2
Mechanical operating cycles as operating time		
<ul style="list-style-type: none"> • typical 		15,000,000
Electrical operating cycles as operating time		
<ul style="list-style-type: none"> • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 		10,000,000
<ul style="list-style-type: none"> • at AC-15 / at 230 V / typical 		100,000
Electrical operating cycles in one hour		
<ul style="list-style-type: none"> • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 		6,000
Repeat accuracy	mm	0.05
Design of the contact element		snap-action contacts
Number of NC contacts		
<ul style="list-style-type: none"> • for auxiliary contacts 		1
Design of the switching function		positive opening, integrated
Number of NO contacts		
<ul style="list-style-type: none"> • for auxiliary contacts 		1
Resistance against vibration		0.35 mm / 5g
Resistance against shock		30g / 11 ms
Ambient temperature		
<ul style="list-style-type: none"> • during operating 	°C	-25 ... +85
<ul style="list-style-type: none"> • during storage 	°C	-40 ... +90
Width of the sensor	mm	50
material		
<ul style="list-style-type: none"> • of the housing 		plastic
Material / of the housing / of the switch head		plastic
Design of the operating mechanism		teflon plunger
Actuating speed	mm/s / m/s	0.1 ... 1.5
Minimum actuating force / in activation direction	N	20
Protection class IP		IP66/IP67
Built in orientation		any
Cable gland version		2 x (M20 x 1.5)
Design of the electrical connection		screw-type terminals
Item designation		
<ul style="list-style-type: none"> • according to DIN 40719 extendable after IEC 204-2 		S
<ul style="list-style-type: none"> • according to DIN EN 61346-2 		B

Certificates/approvals:

General Product Approval

Functional Safety /
Safety of
Machinery

Declaration of
Conformity



CCC



GOST



UL



VDE



VDE



EG-Konf.

Test Certificates

other

[Special Test Certificate](#)

[Declaration of the Compliance with the order](#)

[Confirmation](#)

[Vibration Test Certificates](#)

Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

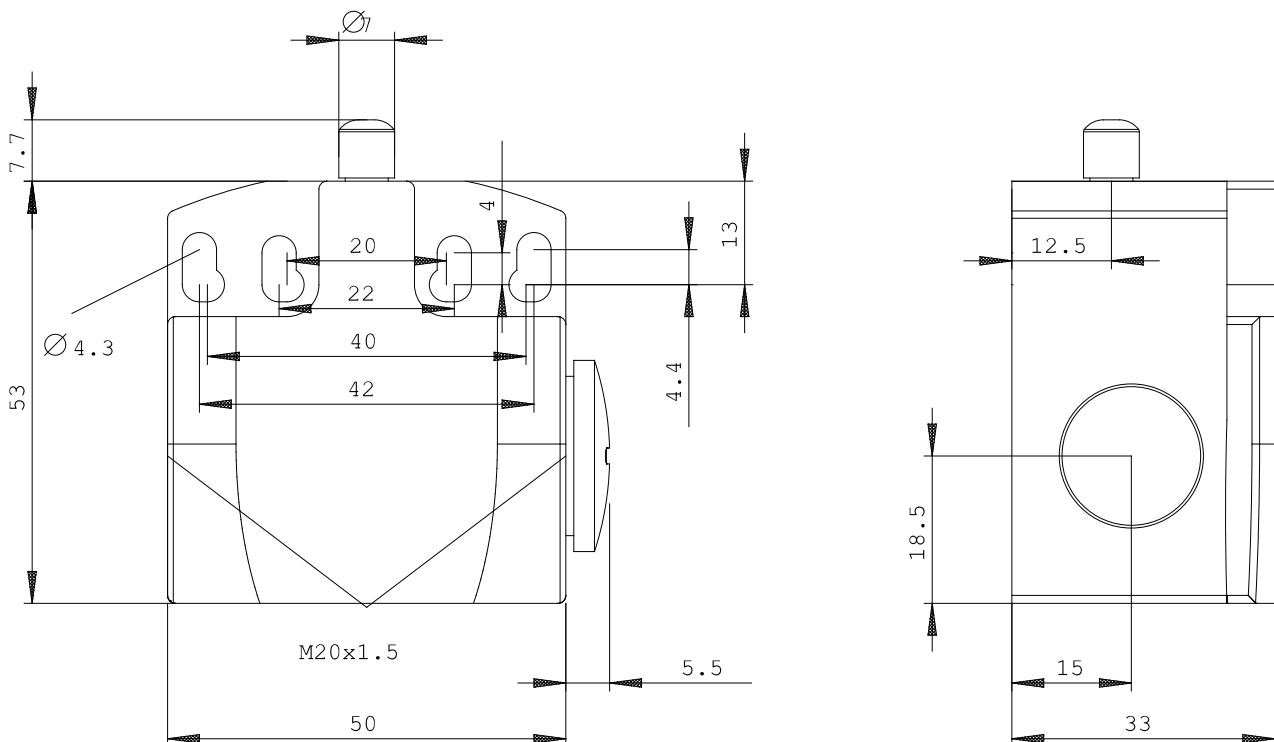
<http://www.siemens.com/cax>

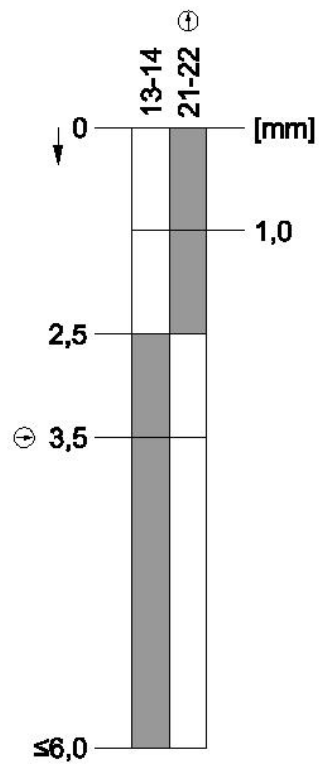
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3SE5242-0HC05/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5242-0HC05





last change:

Mar 29, 2012