

SIRIUS POSITION SWITCH; PLASTIC HOUSING ACC. TO EN50047, 50MM DEVICE CONNECTION 2X(M20X1.5); 1NO/1NC SNAP-ACTION CONTACTS ROLLER LEVER W. PLASTIC ROLLER 19MM



Product designation	standard position switch
Manufacturer's article number	
<ul style="list-style-type: none"> • of the supplied basic switch 	3SE5242-0HC05
<ul style="list-style-type: none"> • of the supplied actuator head for position switches 	3SE5000-0AK00
<ul style="list-style-type: none"> • of the supplied operating lever 	3SE5000-0AA21

General technical data	
Product function	
<ul style="list-style-type: none"> • positive opening 	Yes
Insulation voltage	
<ul style="list-style-type: none"> • rated value 	400 V
Degree of pollution	class 3
Surge voltage resistance rated value	6 kV
Protection class IP	IP66/IP67
Shock resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 	30 g / 11 ms
Vibration resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-6 	0.35 mm/5g
Mechanical service life (switching cycles)	

• typical	15 000 000
Electrical endurance (switching cycles)	
• at AC-15 at 230 V typical	100 000
Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	10 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
Thermal current	6 A
Equipment marking	
• acc. to DIN EN 61346-2	B
• acc. to DIN EN 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
Minimum actuating torque in activation direction	0.25 N·m
Operating current at AC-15	
• at 24 V rated value	6 A
• at 125 V rated value	6 A
• at 230 V rated value	6 A
• at 400 V rated value	4 A
Operating current at DC-13	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A
• at 230 V rated value	0.27 A
• at 400 V rated value	0.1 A

Enclosure

Design of the housing	block, wide
Material of the enclosure	plastic
Coating of the enclosure	Other types
Design of the housing acc. to standard	No

Drive Head

Design of the operating mechanism	Twist lever, metal lever, 21 mm long, straight, plastic roller 19 mm
Standard-compliant actuator head	EN 50047, design A
Shape of the switch head	roller
Design of the switching function	positive opening, integrated

Connections/Terminals

Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	

- solid 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
- finely stranded with core end processing 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
- at AWG conductors solid 1x (20 ... 16), 2x (20 ... 18)
- at AWG conductors stranded 1x (20 ... 16), 2x (20 ... 18)

Mechanical data

Cable entry type 2 x (M20 x 1.5)

Communication/ Protocol

Design of the interface without

Ambient conditions

Ambient temperature

- during operation -25 ... +85 °C
- during storage -40 ... +90 °C

Installation/ mounting/ dimensions

Mounting position any

Mounting type screw fixing

Certificates/approvals

General Product Approval

Functional Safety/Safety of Machinery

Declaration of Conformity



[Type Examination Certificate](#)



Test Certificates

other

[Special Test Certificate](#)

[Confirmation](#)

Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5242-0HK21>

Cax online generator

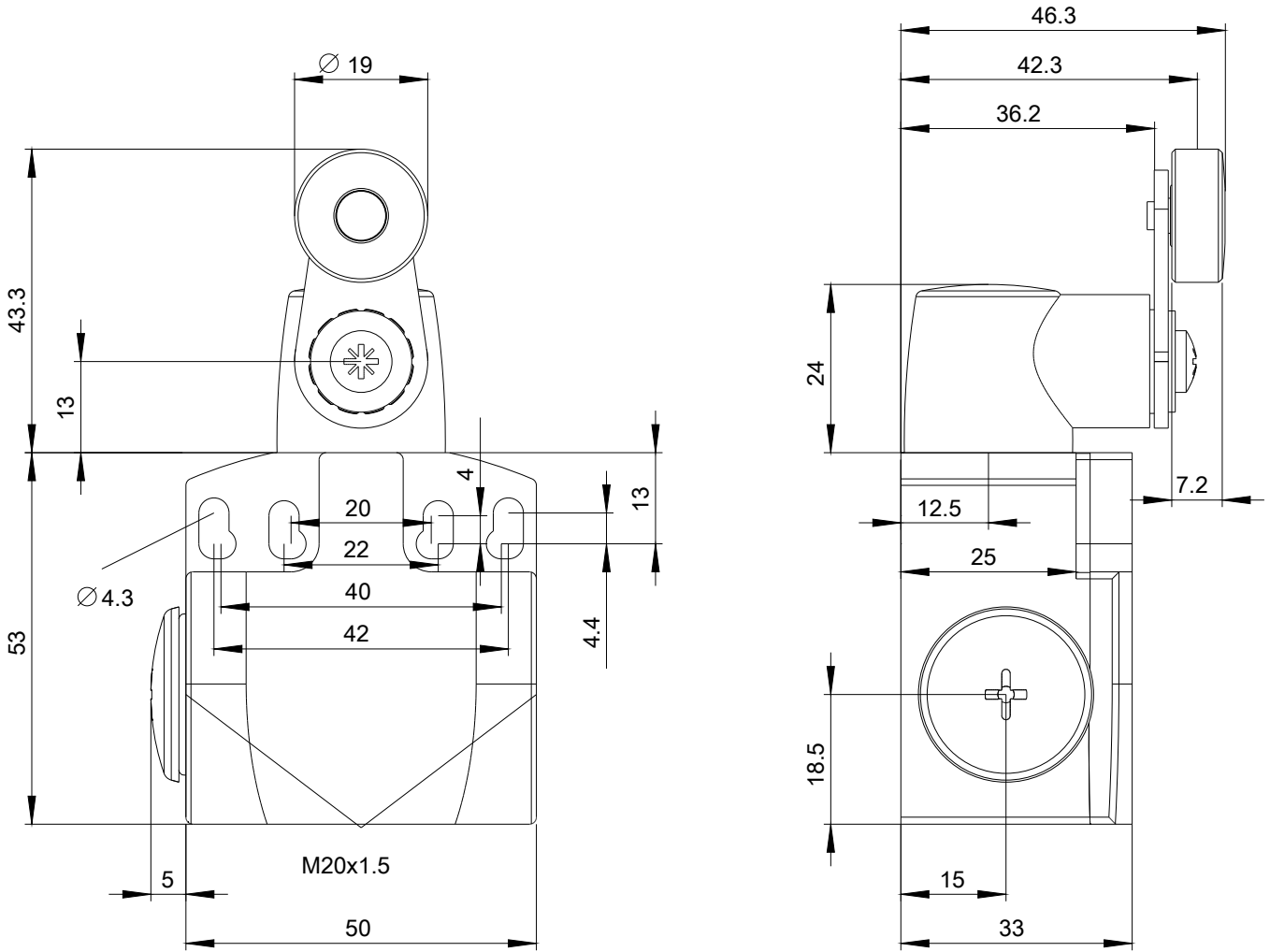
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5242-0HK21>

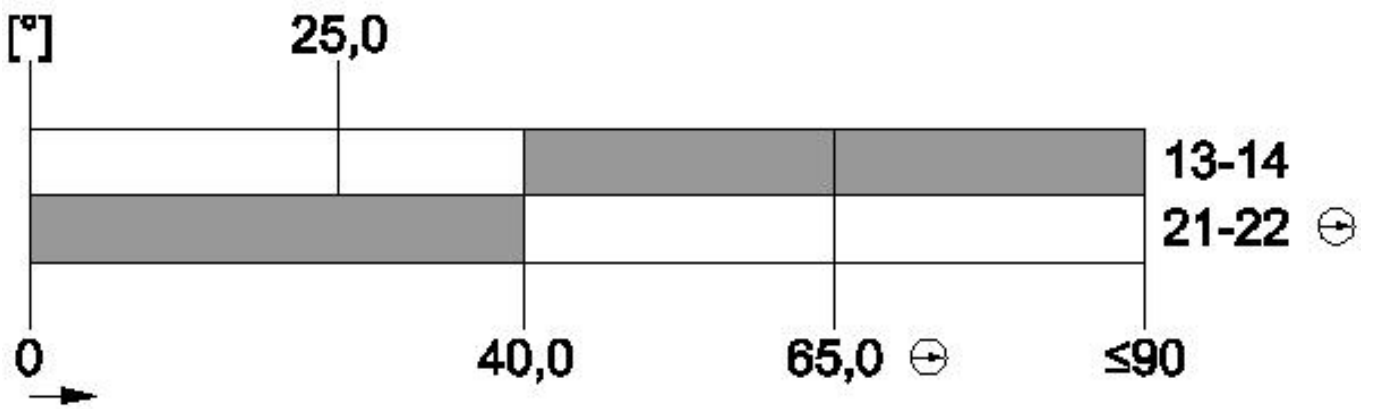
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5242-0HK21>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5242-0HK21&lang=en





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