

Position switch Plastic enclosure open type 30 mm 1 NO/1 NC quick action contacts Metal plunger, IP20



product brand name	SIRIUS
product designation	Open-type position switches
product type designation	3SE5
manufacturer's article number	
• of the supplied switching contacts	3SE5000-0CA00
suitability for use safety switch	Yes

General technical data

product function	
• positive opening	Yes
insulation voltage	
• rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	6 kV
protection class IP	IP20, conductor connected and clamping screw screwed in
shock resistance	
• acc. to IEC 60068-2-27	30g / 11 ms
vibration resistance	
• acc. to IEC 60068-2-6	0.35 mm/5g
mechanical service life (switching cycles)	

• typical — note	15 000 000 1000000 at 30° angle of approach
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	10 A
material of the enclosure of the switch head	plastic
reference code acc. 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
minimum actuating force in directions of actuation	20 N
length of the sensor	59.2 mm
width of the sensor	30 mm
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 24 V rated value	6 A
• operational current at AC-15 at 120 V rated value	6 A
• operational current at AC-15 at 240 V rated value	6 A
• operational current at AC-15 at 400 V rated value	4 A
operational current at DC-13	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A
• at 250 V rated value	0.27 A
• at 400 V rated value	0.12 A
design of the interface for safety-related communication	without
Enclosure	
material of the enclosure	plastic, open-type
coating of the enclosure	Other types
design of the housing acc. to standard	No

Drive Head	
design of the actuating element	Rounded plunger, metal plunger
standard-compliant actuator head	EN 50047, design B
shape of the switch head	rounded
design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	1

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 cables solid 1x (20 ... 16), 2x (20 ... 18) - at AWG cables stranded 1x (20 ... 16), 2x (20 ... 18)

Communication/ Protocol	
design of the interface	without

Ambient conditions	
explosion protection category for dust	none

Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing

Certificates/ approvals	
General Product Approval	Functional Safety/Safety of Machinery



[KC](#)



[Type Examination Certificate](#)

Declaration of Conformity	Test Certificates	other
EG-Konf.	Miscellaneous Type Test Certificates/Test Report	Confirmation

Further information
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=3SE5250-0CC05>

Cax online generator

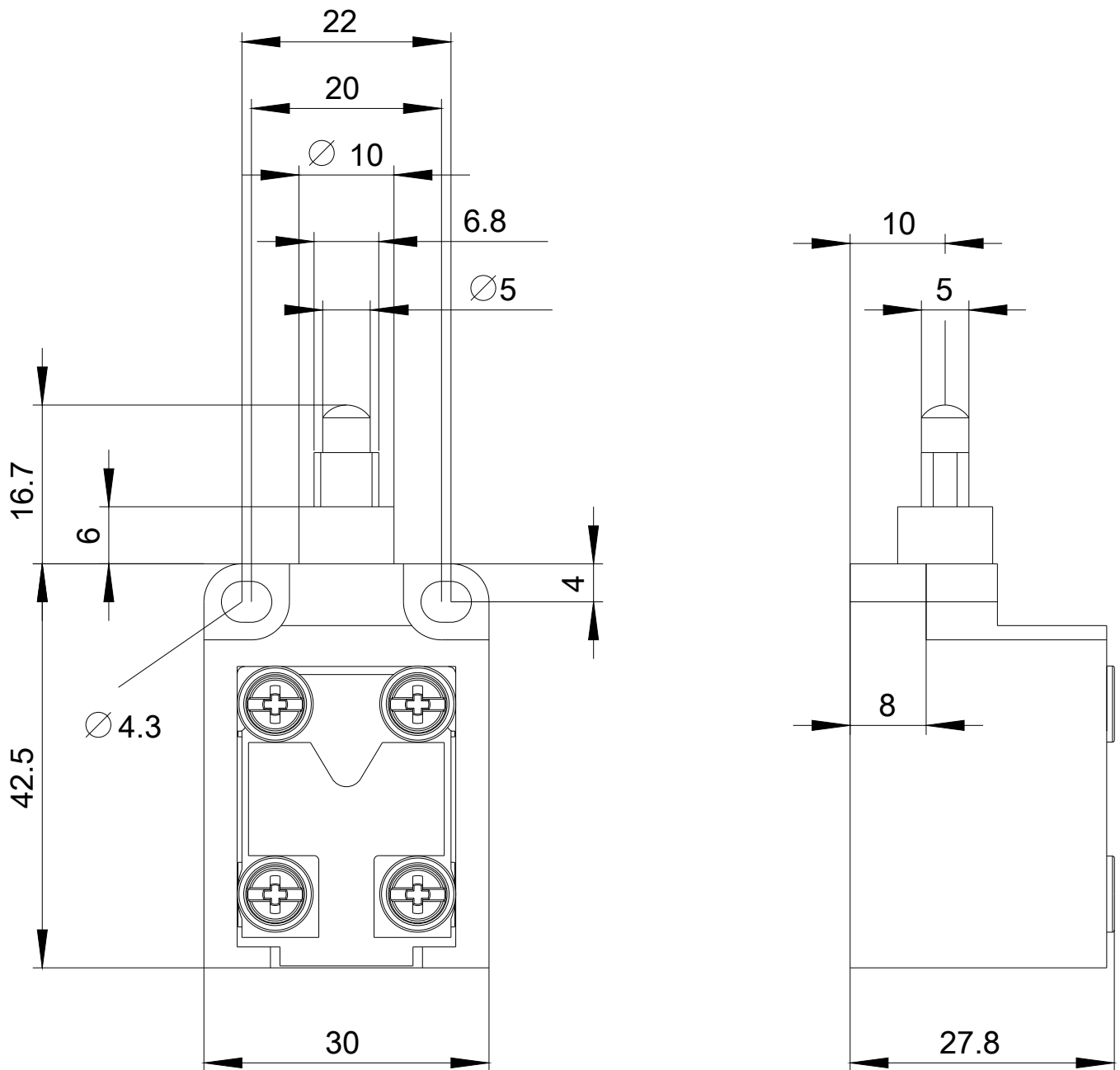
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5250-0CC05>

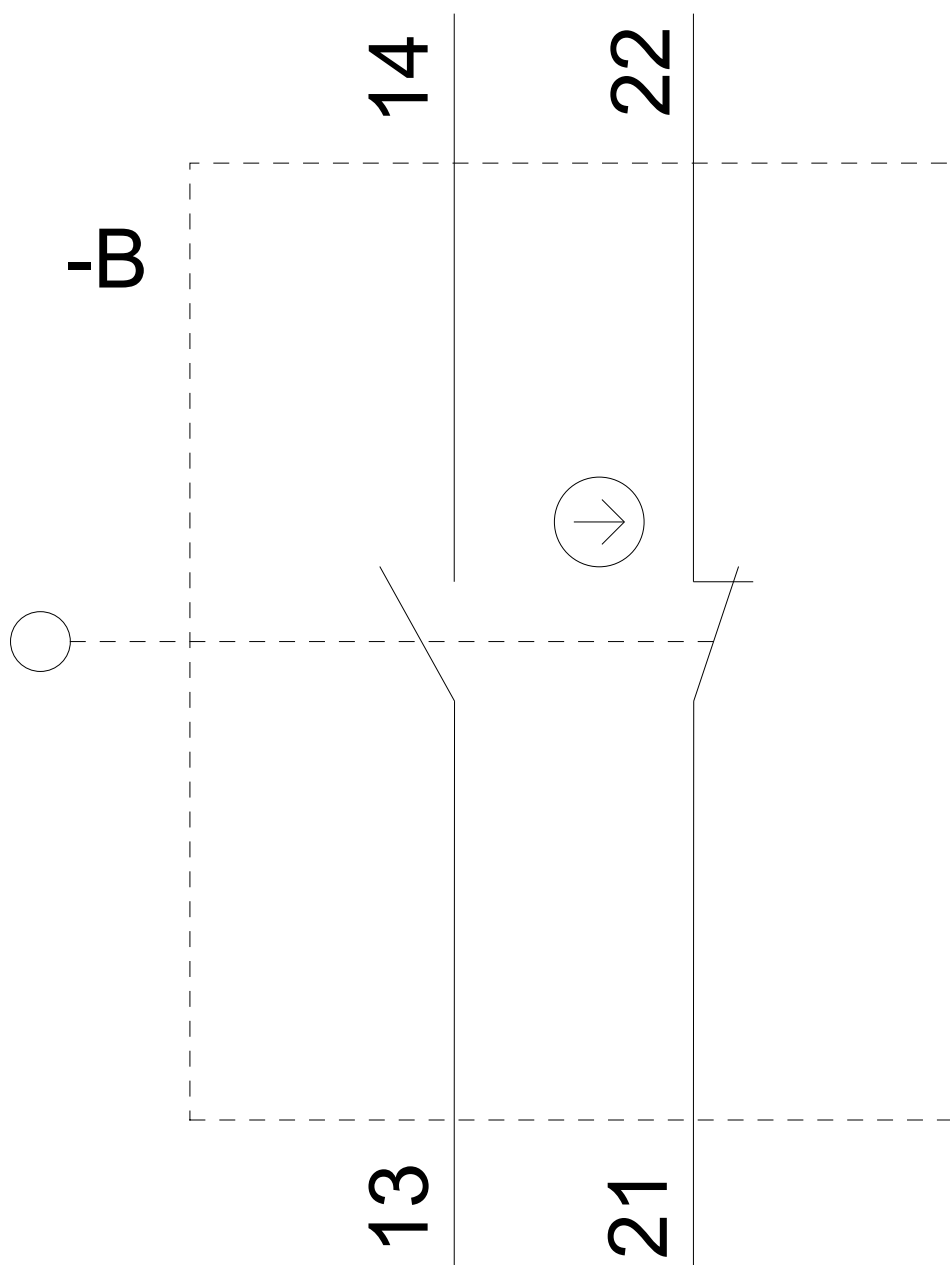
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

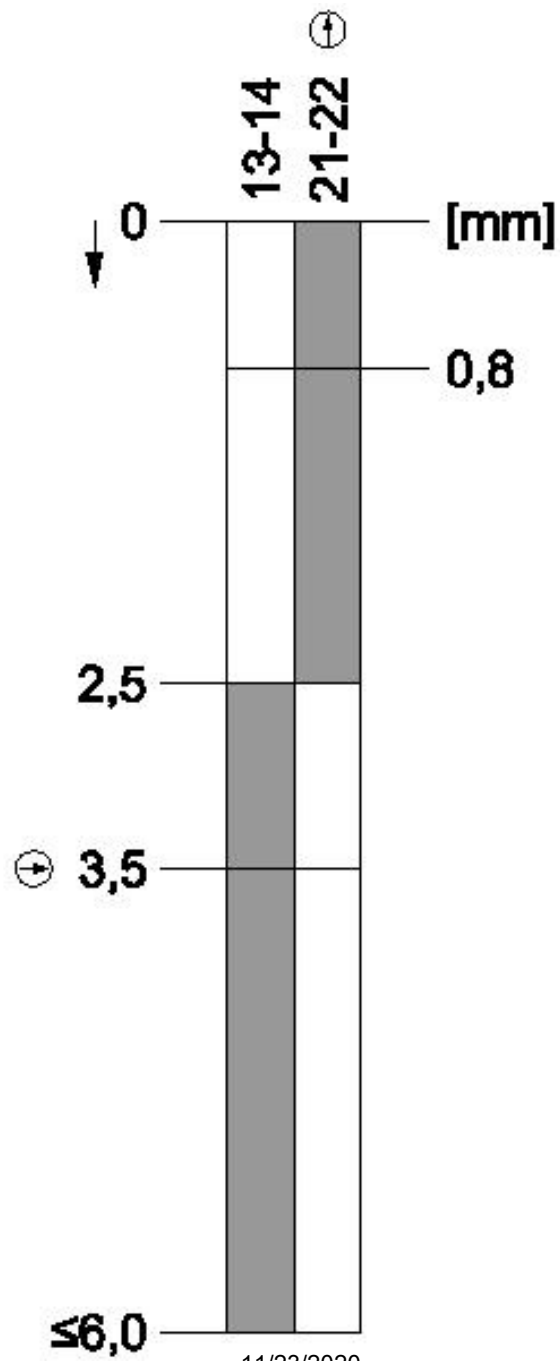
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5250-0CC05>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5250-0CC05&lang=en







last modified:

11/23/2020