SIEMENS

Data sheet 3SE5122-0CB01

Position switch Metal enclosure 56 mm wide Device connection 3x (M20x 1.5) 1 NO/1 NC quick action contacts Plain plunger, stainless steel

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
• of the supplied basic switch	3SE5122-0CA00
• of the supplied actuator head for position switches	3SE5000-0AB01
• of the supplied switching contacts	3SE5000-0CA00
• of the supplied empty enclosure with cover	3SE5122-0AA00
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	IP66/IP67
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	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	10 A
material of the enclosure of the switch head	metal
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	85.7 mm
width of the sensor	56 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 125 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

design of the housing	block, wide
material of the enclosure	metal
coating of the enclosure	cathodic immersion coating
design of the housing acc. to standard	No

Drive Head

design of the actuating element	Rounded plunger, high-grade steel plunger
standard-compliant actuator head	EN 50041, 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)
cable entry type	3 x (M20 x 1.5)

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	Declaration of Conformity
CCC	CSA	UL	EAC	Type Examination Certificate	EG-Konf.

Declaration of Conformity	Test Certific-ates	other
Miscellaneous	Type Test Certific-ates/Test Report	Confirmation

Further information

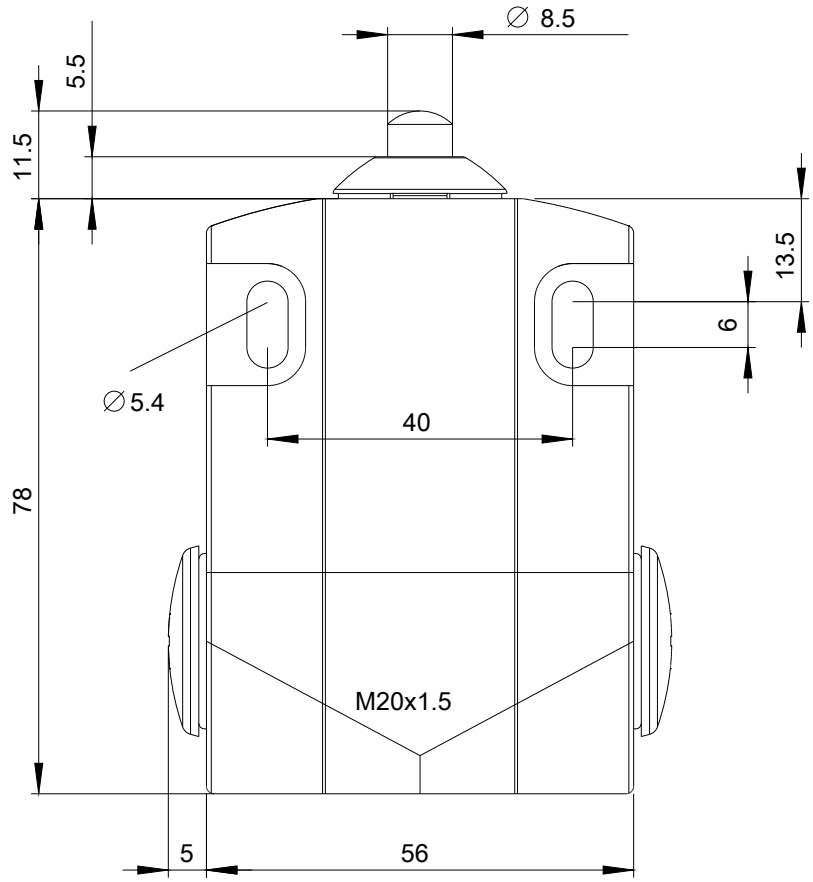
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10

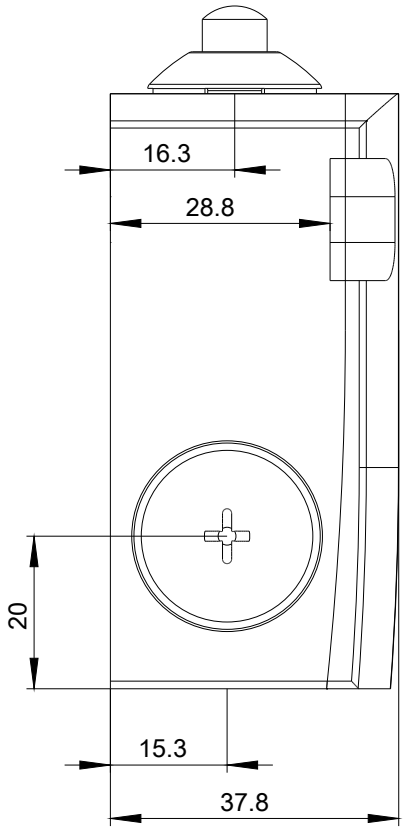
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5122-0CB01

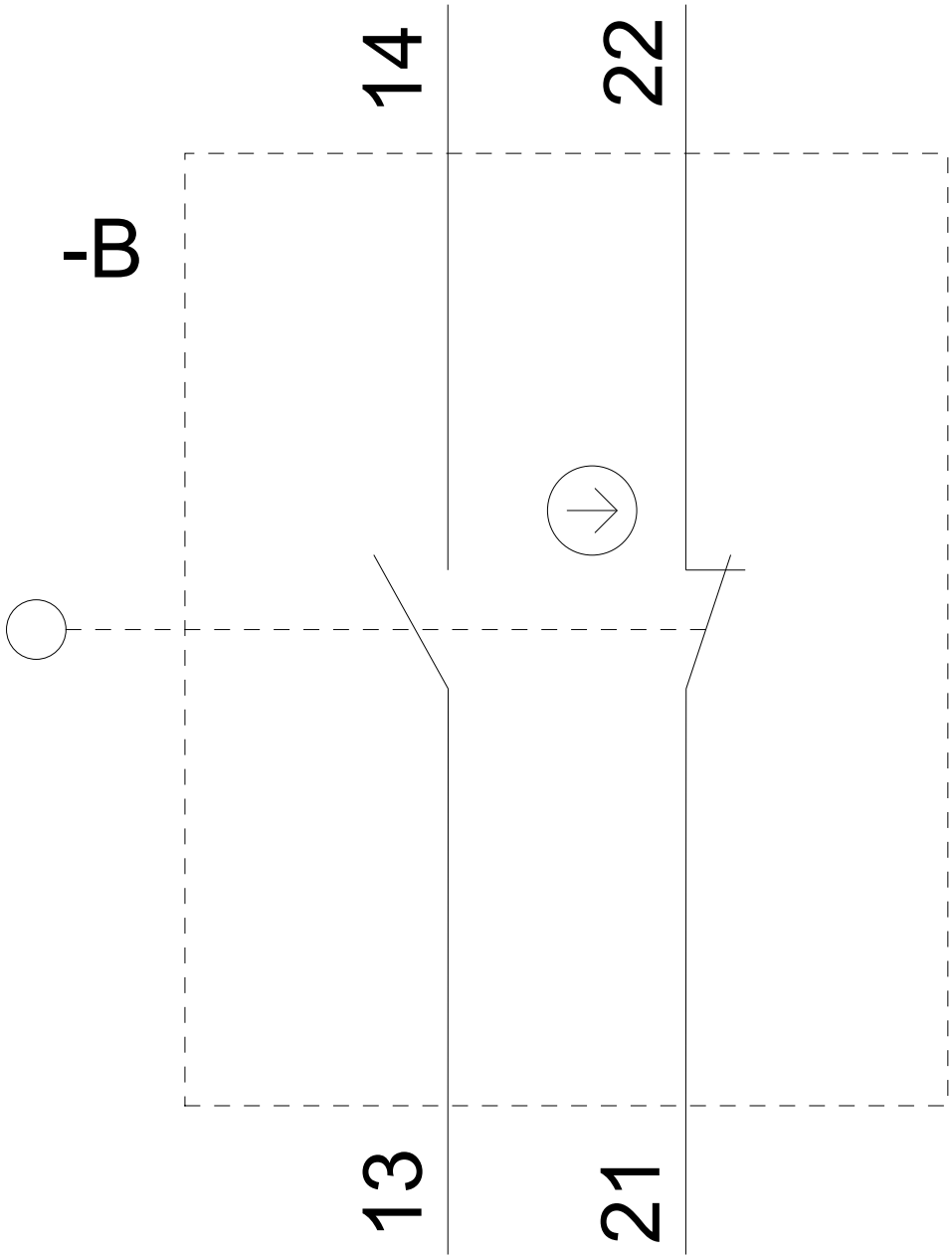
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5122-0CB01

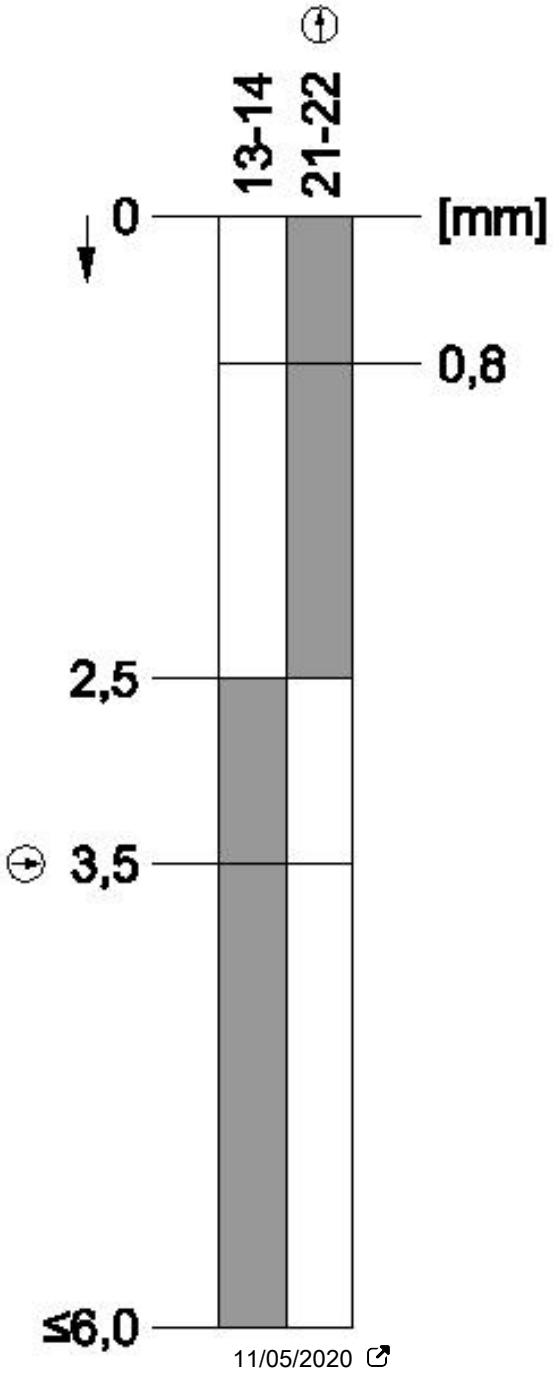
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE5122-0CB01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5122-0CB01&lang=en









last modified: 11/05/2020