



SIRIUS position switch Metal enclosure XL, 56 mm wide, with twist lever 27 mm made from Stainless steel, Stainless steel roller 19 mm, Device connection 3x(M20x1.5), Increased corrosion protection (increased corrosion protection) gold-plated contacts, 2x(1 NO/1 NC) Quick action contacts, IP66/IP67; suitable for use at -40 degrees

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
• of the supplied actuator head for position switches • of the supplied operating lever • of the supplied switching contacts • of the supplied empty enclosure with cover	3SE5000-0AH00 3SE5000-0AA12 1x 3SE5000-0CA00-1AC1, 1x 3SE5060-0CA00-1AC1 on request 3SE5162-0AA00-1CA0, on request
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	5 000 000
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	5 000 000
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
Substance Prohibitance (Date)	01.07.2006
minimum actuating torque in directions of actuation	0.3 N·m
length of the sensor	149.5 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	2
number of NO contacts for auxiliary contacts	2
operational current at AC-15 - at 24 V rated value - at 125 V rated value - at 240 V rated value - at 400 V rated value	6 A 6 A 6 A 4 A
operational current at DC-13 - at 24 V rated value - at 125 V rated value - at 250 V rated value - at 400 V rated value	3 A 0.55 A 0.27 A 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 dip coating
design of the housing acc. to standard	No
Drive Head	
design of the actuating element	Twist lever, high-grade steel lever, 27 mm long, step 9 mm, high-grade steel roller 19 mm
shape of the switch head	roller
design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	2
Connections/ Terminals	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections - solid - finely stranded with core end processing - at AWG cables solid - at AWG cables stranded	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) 1x (20 ... 16), 2x (20 ... 18) 1x (20 ... 16), 2x (20 ... 18)
cable entry type	3x (M20 x 1.5)
Communication/ Protocol	
design of the interface	without
Ambient conditions	
ambient temperature - during operation - during storage	-40 ... +85 °C -40 ... +90 °C
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	



[Type Examination Certificate](#)

Declaration of Conformity

Test Certificates

other

[UK Declaration of Conformity](#)



[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=3SE5162-0CH12-1AN5>

Cax online generator

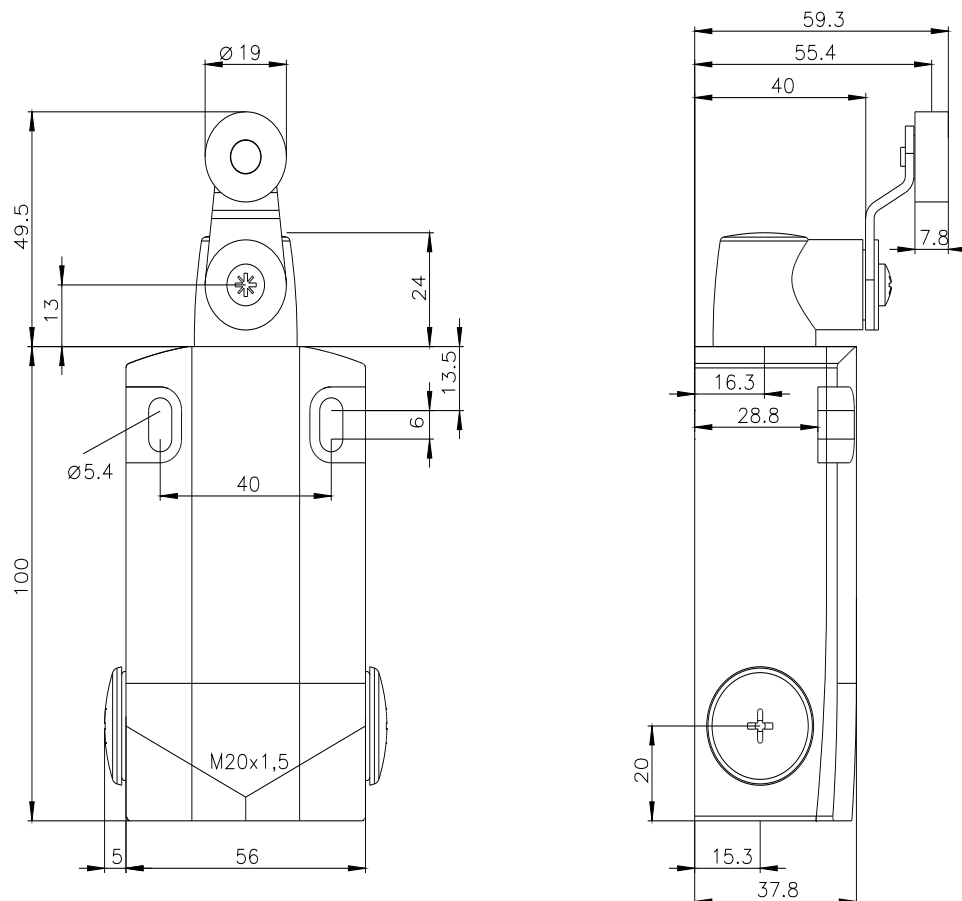
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0CH12-1AN5>

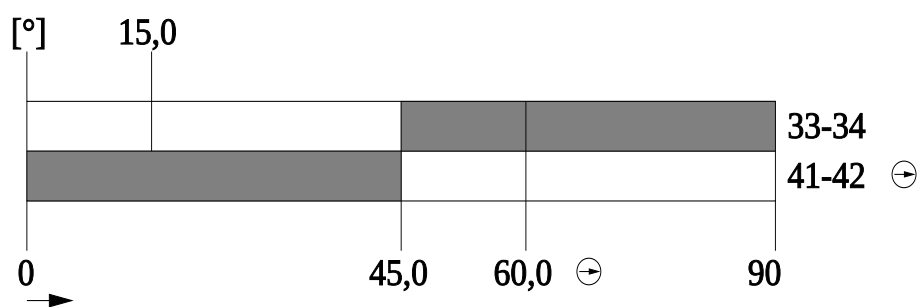
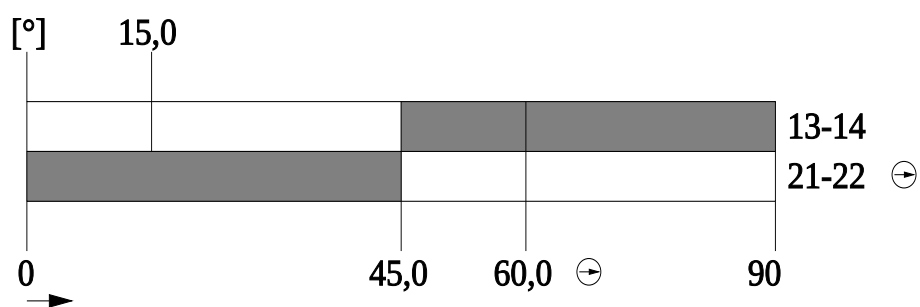
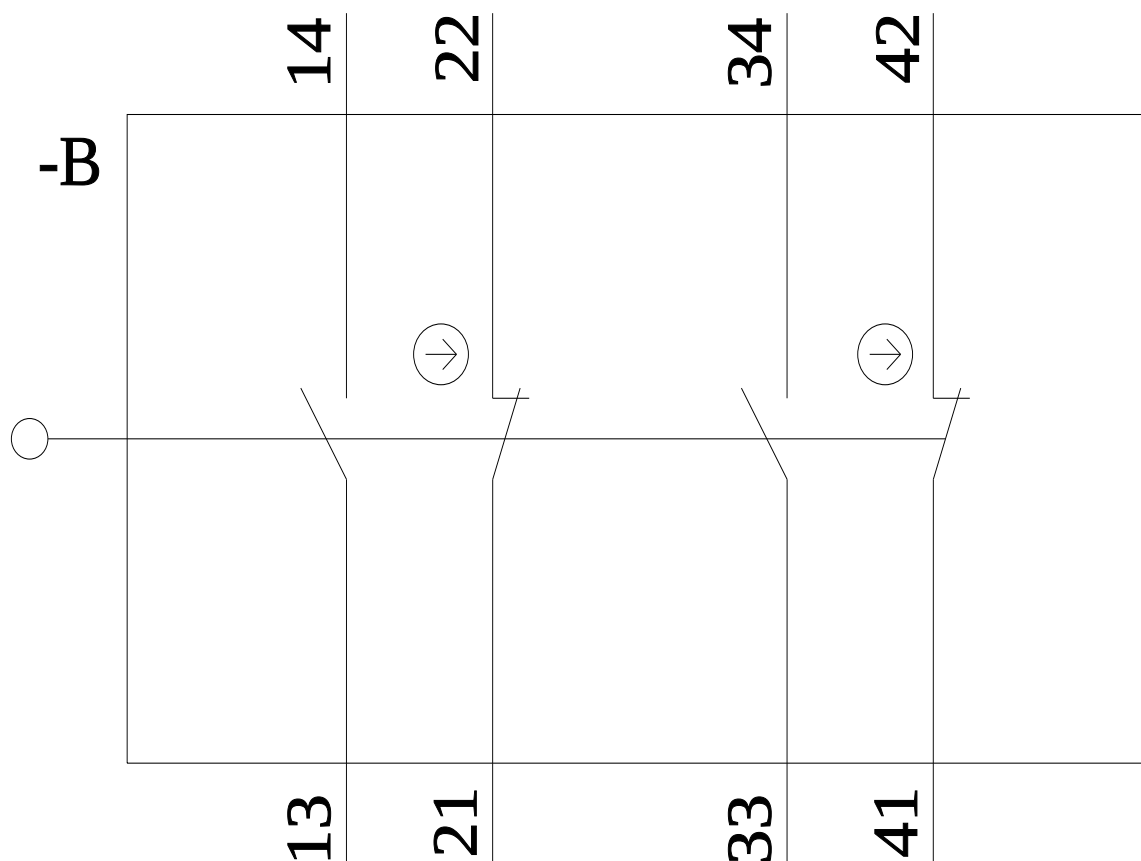
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0CH12-1AN5>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0CH12-1AN5&lang=en





last modified:

1/26/2022