SIEMENS

Data sheet 3SE5162-0CE01

Position switch 3SE5162 Metal enclosure XL, 56 mm wide with roller lever, metal lever and plastic roller 22 mm Device connection 3 x (M20 x 1.5) 2 x (1 NO/1 NC) Quick action contacts IP66/IP67

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
● of the supplied basic switch	3SE5162-0CA00
● of the supplied actuator head for position switches	3SE5000-0AE01
● of the supplied switching contacts	1x 3SE5000-0CA00, 1x 3SE5060-0CA00
● of the supplied empty enclosure with cover	3SE5162-0AA00
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	
● according to IEC 60068-2-27	30g / 11 ms
vibration resistance according 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 according 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)	07/01/2006
minimum actuating force in directions of actuation	15 N
length of the sensor	141 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	6 A
● at 125 V rated value	6 A
● at 240 V rated value	6 A
● 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 dip coating
design of the housing according to standard	No
Drive Head	
design of the actuating element	Roller lever, metal lever, plastic roller
standard-compliant actuator head	EN 50041
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	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	3x (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
explosion protection category for dust	none
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Certificates/ approvals	
General Product Approval	

Confirmation

Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	other

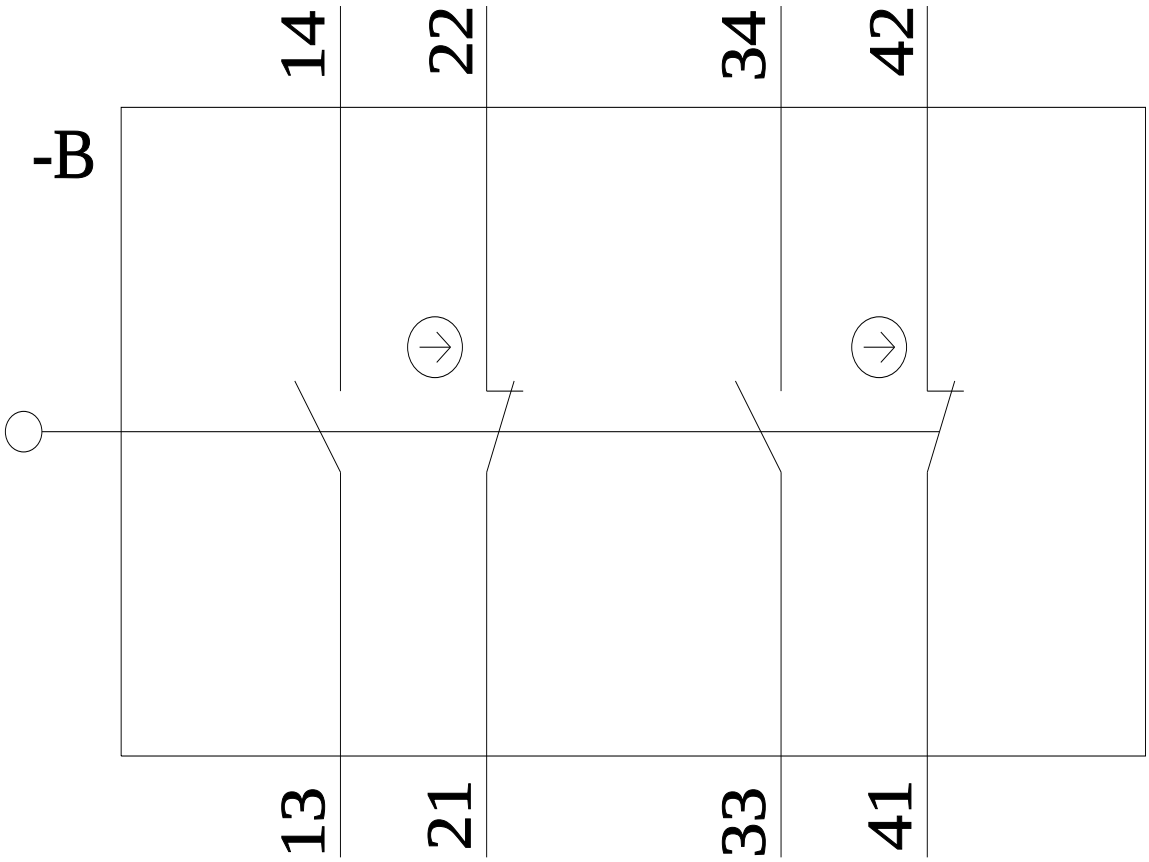
Type Examination Certificate

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=3SE5162-0CE01
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0CE01
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0CE01
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0CE01&lang=en



last modified: 1/26/2022