SIEMENS

Data sheet

3SE5242-0HK62-1AJ0



Position switch Plastic 50 mm Increased corrosion protection Device connection 2x (M20x 1.5) 1 NO/1 NC snap-action contacts adjustablelength Twist lever, Stainless steel lever with plastic roller 19 mm functional at -40 °C Shock and vibration test according to EN 61373, Category 1B

product brand name product designation product type designation manufacturer's article number

- of the supplied actuator head for position switches
- of the supplied operating lever

suitability for use safety switch

SIRIUS

Mechanical position switches

3SE5

3SE5000-0AK00-1AJ0

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Yes

No product function positive opening insulation voltage rated value 400 V class 3 degree of pollution 6 kV surge voltage resistance rated value IP66/IP67 protection class IP shock resistance

- according to IEC 60068-2-27
- for railway applications according to EN 61373

vibration resistance

- according to IEC 60068-2-6
- for railway applications according to EN 61373

mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical

electrical endurance (operating cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical

Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026

thermal current

material of the enclosure of the switch head reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the DIAZED fuse link gG active principle

repeat accuracy

Substance Prohibitance (Date)

minimum actuating torque in directions of actuation

length of the sensor width of the sensor

30q / 11 ms

Category 1, Class B

0.35 mm/5g

Category 1, Class B

15 000 000 100 000

10 000 000

6 000

10 A plastic

1 A; for a short-circuit current smaller than 400 A 10 A; for a short-circuit current smaller than 400 A

6 A

mechanical 0.05 mm 07/01/2006 0.25 N·m 182 mm

50 mm

Ambient conditions

ambient temperature

during operation

-40 ... +85 °C

during storage	-40 +90 °C
explosion protection category for dust	none
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
at 120 V rated value	6 A
at 120 V rated value at 240 V rated value	6 A
at 400 V rated value	4 A
operational current at DC-13	7.0
• at 24 V rated value	3 A
at 125 V rated value	0.55 A
at 125 V rated value at 250 V rated value	0.27 A
at 400 V rated value	0.12 A
Enclosure	V-2
design of the housing	block, wide
material of the enclosure	plastic
coating of the enclosure	Other types
design of the housing according to standard	No
Drive Head	
design of the actuating element	Adjustable twist lever, adjustable-length metal lever with positive fit, 100
	mm long, plastic roller 19 mm
standard-compliant actuator head	mm long, plastic roller 19 mm EN 50047, design A
standard-compliant actuator head shape of the switch head	mm long, plastic roller 19 mm EN 50047, design A roller
standard-compliant actuator head shape of the switch head design of the switching function	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated
standard-compliant actuator head shape of the switch head design of the switching function circuit principle	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5)
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5)
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5)
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5) any screw fixing
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals type of electrical connection	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5)
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals type of electrical connection type of connectable conductor cross-sections	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5) any screw fixing screw-type terminals
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5) any screw fixing screw-type terminals 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals type of electrical connection type of connectable conductor cross-sections	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5) any screw fixing screw-type terminals 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5) any screw fixing screw-type terminals 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (20 16), 2x (20 18)
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5) any screw fixing screw-type terminals 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18)
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals type of electrical connection type of connectable conductor cross-sections	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5) any screw fixing screw-type terminals 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (20 16), 2x (20 18)
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals type of electrical connection type of connectable conductor cross-sections	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5) any screw fixing screw-type terminals 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18) without
standard-compliant actuator head shape of the switch head design of the switching function circuit principle number of switching contacts safety-related cable entry type Installation/ mounting/ dimensions mounting position fastening method Connections/ Terminals type of electrical connection type of connectable conductor cross-sections	mm long, plastic roller 19 mm EN 50047, design A roller positive opening, integrated snap-action contacts 0 1x (M20 x 1.5) any screw fixing screw-type terminals 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²) 1x (20 16), 2x (20 18) 1x (20 16), 2x (20 18)

General Product Approval





Confirmation







Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	other
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Type Examination Certificate





Type Test Certificates/Test Report

Confirmation

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SE5242-0HK62-1AJ0

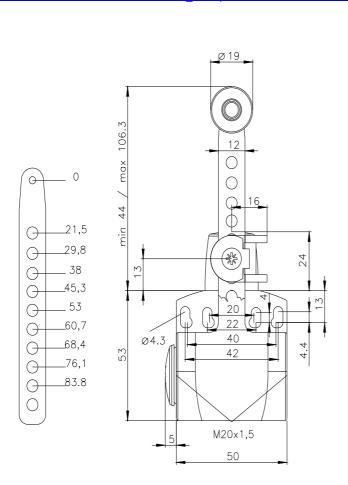
Cax online generator

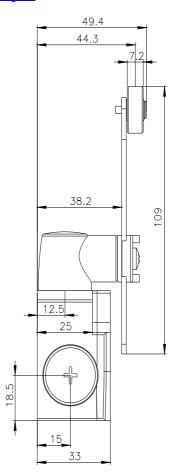
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5242-0HK62-1AJ0

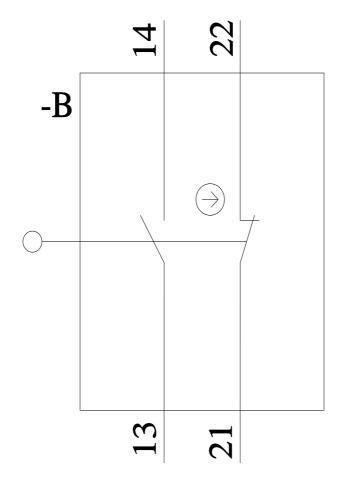
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

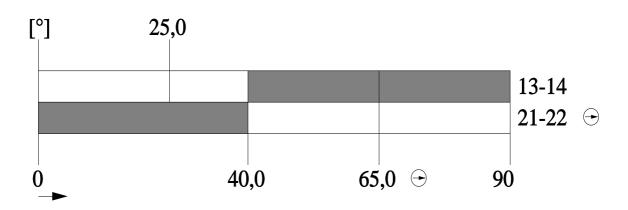
https://support.industry.siemens.com/cs/ww/en/ps/3SE5242-0HK62-1AJ0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5242-0HK62-1AJ0&lang=en









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