SIEMENS

Data sheet

3SE5242-0BC05-1AJ0



Position switch Plastic 50 mm Increased corrosion protection Device connection 2x (M20x 1.5) 1 NO/1 NC slow-action contacts Rounded plunger functional at -40 $^{\circ}\text{C}$ Shock and vibration test according to EN 61373, Category 1B

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
 of the supplied switching contacts 	3SE5000-0BA00
suitability for use safety switch	Yes
Seneral 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
 for railway applications according to EN 61373 	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	0.35 mm/5g
 for railway applications according to EN 61373 	Category 1, Class B
mechanical service life (operating cycles) typical	15 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
thermal current	10 A
material of the enclosure of the switch head	plastic
reference code according to IEC 81346-2	В
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	20 N
length of the sensor	60.7 mm
width of the sensor	50 mm
Ambient conditions	
ambient temperature	
 during operation 	-40 +85 °C
during storage	-40 +90 °C
explosion protection category for dust	none
	mechanical
design of the switching contact	mechanica

General Product Approval		Functional Safety/Safety of M
Certificates/ approvals	WithOut	
design of the interface	without	
Communication/ Protocol	without	
design of the interface for safety-related communication	1x (20 16), 2x (20 18) without	
 for AWG cables solid for AWG cables stranded 	1x (20 16), 2x (20 18)	
finely stranded with core end processing	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)	
• solid	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)	
type of connectable conductor cross-sections		
type of electrical connection	screw-type terminals	
Connections/ Terminals		
fastening method	screw fixing	
mounting position	any	
nstallation/ mounting/ dimensions		
cable entry type	2x (M20 x 1.5)	
number of switching contacts safety-related	1	
circuit principle	slow-action contacts	
design of the switching function	positive opening	
shape of the switch head	rounded	
standard-compliant actuator head	EN 50047, design B	
design of the actuating element	Rounded plunger, plastic plunger	
Drive Head	December of the second	
design of the housing according to standard	No	_
coating of the enclosure	Other types	
material of the enclosure	plastic	
design of the housing	block, wide	
	block wide	
Enclosure	0.12 A	
at 250 V rated value at 400 V rated value	0.27 A 0.12 A	
at 125 V rated value at 250 V rated value	0.55 A 0.27 A	
at 24 V rated valueat 125 V rated value	0.55 A	
operational current at DC-13	3 A	
• at 400 V rated value	4 A	
	4 A	
at 120 V rated value at 240 V rated value	6 A	
	6 A	
operational current at AC-15 • at 24 V rated value	6 A	
number of NO contacts for auxiliary contacts	1	
number of NO contests for curillians contests	1	

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Confirmation





Type Examination Cer**tificate**

Declaration of Conformity

Test Certificates

other





Type Test Certificates/Test Report

Type Test Certificates/Test Report

Confirmation

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SE5242-0BC05-1AJ0

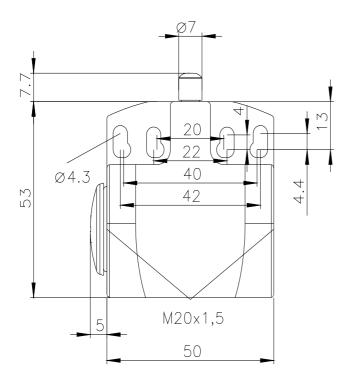
Cax online generator

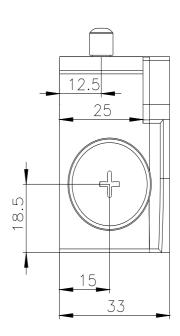
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5242-0BC05-1AJ0

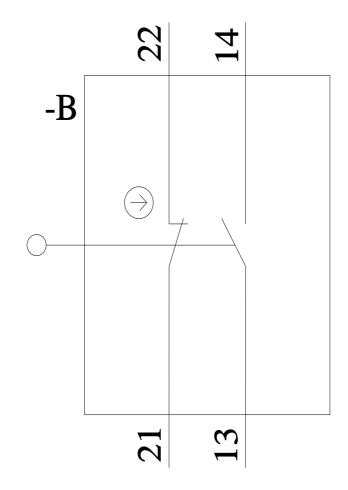
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

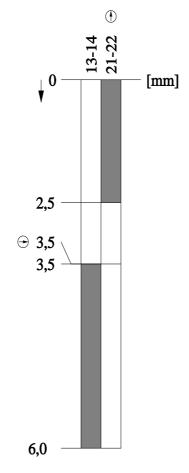
https://support.industry.siemens.com/cs/ww/en/ps/3SE5242-0BC05-1AJ0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5242-0BC05-1AJ0&lang=en









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