SIEMENS

Data sheet

3SE5212-0CH22-1AJ0



Position switch Metal 31 mm, according to EN 50047 Increased corrosion protection Device connection 1 x (M20 x 1.5) 1 NO/1 NC quick action contacts Rotary actuator right/left adjustable Metal lever and Stainless steel roller 19 mm functional at -40 °C Shock and vibration test according to EN 61373, Category 1B

nuclust brand name				
product brand name	SIRIUS			
product designation	Mechanical position switches			
product type designation manufacturer's article number	3SE5			
 of the supplied actuator head for position switches 	<u>3SE5000-0AH00-1AJ0</u>			
of the supplied operating lever	<u>3SE5000-0AA22-1AJ0</u>			
of the supplied switching contacts	<u>3SE5000-0CA00</u>			
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			
 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	metal			
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 torque in directions of actuation	0.25 N·m			
length of the sensor	111.3 mm			
width of the sensor	31 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		maaha	nicol			
design of the switching contact		50 60 Hz				
operating frequency rated value number of NC contacts for auxiliary contacts		1	0 112			
number of NO contacts for auxiliary contacts		1				
operational current at AC-15		C A				
• at 24 V rated value		6 A				
at 120 V rated value		6 A				
• at 240 V rated value		6 A				
• at 400 V rated value		4 A				
operational current at DC-13		0.4				
• 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				
Enclosure		_	_			
design of the housing		block, r	narrow			
material of the enclosure		metal				
coating of the enclosure		cathod	ic dip coating			
design of the housing according to standard		Yes				
Drive Head						
design of the actuating element		Twist le	ever, metal lever, 21	I mm long, straight, high-gra	ade steel roller 19 mm	
standard-compliant actuator head		EN 50047, design A				
shape of the switch head		roller				
design of the switching function		positive opening				
circuit principle		snap-action contacts				
number of switching contacts safety-related		1				
cable entry type		1x (M20 x 1.5)				
Installation/ mounting/ dimensions						
mounting position		any				
fastening method		screw f	ïxing			
Connections/ Terminals						
type of electrical connection		screw-f	type terminals			
type of connectable conductor cross-sections	;					
• solid		1x (0.5	1.5 mm²), 2x (0.5	5 0.75 mm²)		
 finely stranded with core end processing 		1x (0.5 1.5 mm ²), 2x (0.5 0.75 mm ²)				
 for AWG cables solid 		1x (20 16), 2x (20 18)				
 for AWG cables stranded 		1x (20 16), 2x (20 18)				
design of the interface for safety-related communication without						
Communication/ Protocol						
design of the interface		without				
Certificates/ approvals						
General Product Approval					Functional Safety/Safety of Ma- chinery	
Confirmation CSA			(UL)	EHC	<u>Type Examination Cer-</u> <u>tificate</u>	
Declaration of Conformity	Test Certificate	es		other		
	<u>Type Test Cer</u> ates/Test Rep		Type Test Certific ates/Test Report			

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.

Further information

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=3SE5212-0CH22-1AJ0

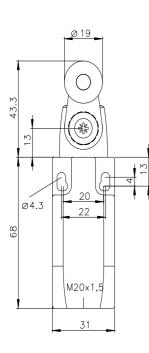
Cax online generator

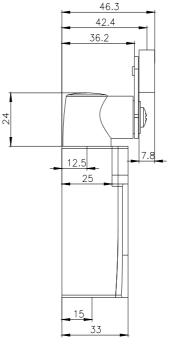
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5212-0CH22-1AJ0

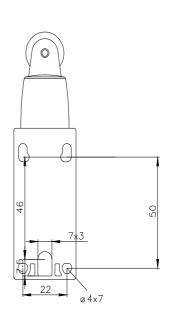
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

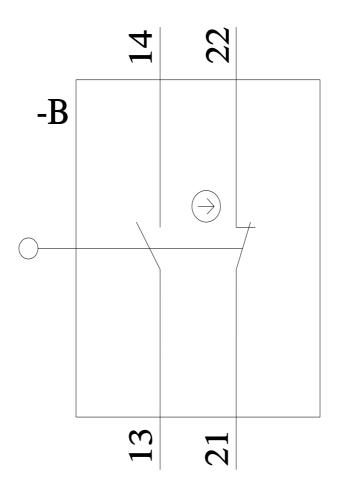
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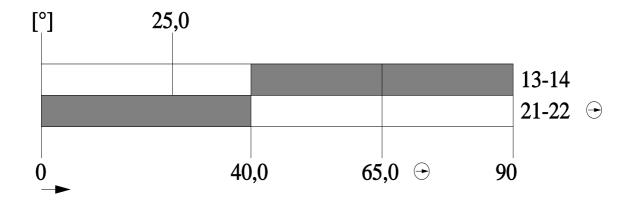
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5212-0CH22-1AJ0&lang=en











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