SIEMENS

Data sheet

3SE5212-0CC05-1AJ0



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 Rounded plunger functional at -40 °C Shock and vibration test according to EN 61373, Category 1B

product designationMechanical position switchesproduct type designation3SE5manufacturer's article number	muchust brand name	SIRIUS
product type designation 3SE5 manufacturer's article number - • of the supplied switching contacts 3SE5000-0CA00 suitability for use safety switch Yes Ceneral 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 mechanical service IIfe (operating cycles) typical 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 typical 10 A material of the enclosure of the switch head metal 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 DIAZED fuse link gG 6 A active principle mechanical reference code according to IEZ 81ike G 6 A a		
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• for railway applications according to EN 61373Category 1, Class Bmechanical service life (operating cycles) typical15 000 000electrical endurance (operating cycles) at AC-15 at 230 V typical100 000thermal current10 Amaterial of the enclosure of the switch headmetalreference code according to IEC 81346-2Bcontinuous current of the C characteristic MCB1 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link10 A; for a short-circuit current smaller than 400 Acontinuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation20 Nlength of the sensor31 mm	shock resistance	
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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 75.7 mm width of the sensor 31 mm	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
repeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation20 Nlength of the sensor75.7 mmwidth of the sensor31 mm	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date) 07/01/2006 minimum actuating force in directions of actuation 20 N length of the sensor 75.7 mm width of the sensor 31 mm	active principle	mechanical
minimum actuating force in directions of actuation 20 N length of the sensor 75.7 mm width of the sensor 31 mm	repeat accuracy	0.05 mm
length of the sensor 75.7 mm width of the sensor 31 mm	Substance Prohibitance (Date)	07/01/2006
width of the sensor 31 mm	minimum actuating force in directions of actuation	20 N
	length of the sensor	75.7 mm
Amhient conditions	width of the sensor	31 mm
	Ambient conditions	
ambient temperature	ambient temperature	
• during operation -40 +85 °C	 during operation 	-40 +85 °C
• during storage -40 +90 °C	during storage	-40 +90 °C
explosion protection category for dust none	explosion protection category for dust	none
design of the switching contact mechanical	design of the switching contact	mechanical
operating frequency rated value 50 60 Hz	operating frequency rated value	50 60 Hz
number of NC contacts for auxiliary contacts 1	number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts 1	number of NO contacts for auxiliary contacts	1
operational current at AC-15	operational current at AC-15	

 at 24 V rated val 			6 A		
 at 120 V rated value 			6 A		
 at 240 V rated value 	alue		6 A		
• at 400 V rated value		4 A			
operational current a	t DC-13				
 at 24 V rated val 	lue		3 A		
 at 125 V rated value 	alue		0.55 A		
 at 250 V rated value 	alue		0.27 A		
 at 400 V rated value 	alue		0.12 A		
Enclosure					
design of the housing	9		block, narrow		
material of the enclose	sure		metal		
coating of the enclos	ure		cathodic dip coating		
design of the housing	g according to standard		Yes		
Drive Head					
design of the actuatir	ng element		Rounded plunger, plastic plu	nger	
standard-compliant a	standard-compliant actuator head		EN 50047, design B		
	shape of the switch head		rounded		
design of the switching function		positive opening			
circuit principle			snap-action contacts		
number of switching co	ontacts safety-related		1		
cable entry type			1x (M20 x 1.5)		
Installation/ mounting/	dimensions		, , , , , , , , , , , , , , , , , , ,		
mounting position			any		
fastening method			screw fixing		
Connections/ Terminal	S		J		
type of electrical con			screw terminal		
	conductor cross-sections				
			1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)		
	vith core end processing				
• for AWG cables solid 1x (20 16), 2x (20 18)					
• for AWG cables stranded 1x (20 16), 2x (20 16)					
design of the interface for safety-related communication without					
Communication/ Proto	•	Sation	Without		
design of the interfac			without		
Approvals Certificates	ю С		Without		
General Product App	proval				
Confirmation	UK CA	(m)	CE	~	FAL
	СО	<u> </u>	EG-Konf.	c(ŲL)us	כחנ
			E.G. PARTIN	-	
Functional Saftey	Test Certificates		other	Environment	
TÜV	<u>Type Test Certific-</u> ates/Test Report	<u>Type Test Cert</u> ates/Test Rep		Environmental Con- firmations	

 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=3SE5212-0CC05-1AJ0

 Cax online generator

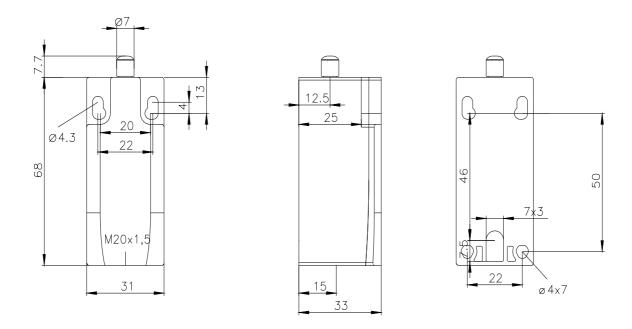
 http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5212-0CC05-1AJ0

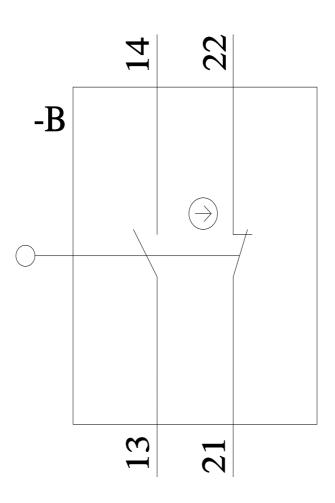
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

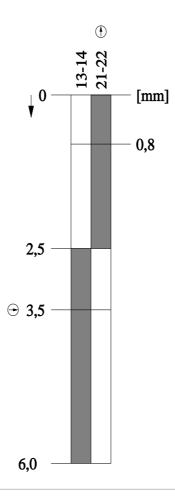
 https://support.industry.siemens.com/cs/ww/en/ps/3SE5212-0CC05-1AJ0

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

 http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5212-0CC05-1AJ0&lang=en







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