SIEMENS

Data sheet

3SE5423-0CD20-1EB1



Position switch in compact design 40 mm wide with connector plug M12 Snapaction contacts 1 NO+1 NC with roller plunger

product function positive openingYesinsulation voltage rated value400 Vdegree of pollution3surge voltage resistance rated value4 kVprotection class IPIP67shock resistance30g / 11 ms• according to IEC 60068-2-2730g / 11 msvibration resistance according to IEC 60068-2-60.35 mm/5gmechanical service life (operating cycles) typical5 000 000electrical endurance (operating cycles) typical100 000thermal current10 Amaterial of the enclosure of the switch headstainless steelreference code according to IEC 81346-2Bactive principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation15 Nlength of the sensor40 mm		
product type designation 38E5 suitability for use safety switch Yes product function positive opening Yes product function positive opening 400 V degree of pollution 3 surge voltage restance rated value 4kV protect function positive opening 4kV protect function positive opening 4kV protect function positive opening 5 surge voltage restance rated value 4kV protect function class IP 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 (operating cycles) typical 5 000 000 electrical enviration (coperating cycles) typical 5 000 000 electrical enviration (coperating cycles) typical 5 000 000 electrical enviration (coperating cycles) typical 5 000 000 reference code according to IEC 81048-2 B sative principile mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/10006	product brand name	SIRIUS
subability for use safety switch Yes General technical dat	product designation	Mechanical position switches
Conval tacking bestive opening Yes insulation voltage rated value 400 V degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP IP67 shock resistance	product type designation	3SE5
product function positive opening Yes insulation voltage rated value 400 V degree of pollution 3 surge voltage resistance rated value 4 kV protection class IP IP67 shock resistance - • according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 typical 10 A material of the enclosure of the switch head stainless steel reference code according to IEC 81346-2 B 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 40 mm Anbient conditions -25 +85 °C exploring orders for auxiliary contacts none design of the switching contact mechanical operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 1 op	suitability for use safety switch	Yes
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surge voltage resistance rated value 4 kV protection class IP ishock resistance i according to IEC 60068-2-27 ishock resistance according to IEC 60068-2-6 ishock resistance according to IEC 81346-2 ishock resistance according to IEC 81346-2 ishock resistance (Date) ishock res	insulation voltage rated value	400 V
protection class IP 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 IIfe (operating cycles) typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 typical 100 A material of the enclosure of the switch head stainless steel reference code according to IEC 81346-2 B 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 40 mm Ambient conditions -25 +85 °C eduring speration -25 +85 °C eduring speration -25 +85 °C eduring storage 25 +85 °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 auxillary contacts 1	degree of pollution	3
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Active principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation15 Nlength of the sensor70 mmwidth of the sensor40 mmAmbient conditions40 mmambient temperature-25 +85 °C• during operation-25 +85 °C• during storage-25 +85 °C• during to regery for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1operational current at AC-151• at 125 V rated value6 A• at 230 V rated value3 Aoperational current at DC-130,55 A	material of the enclosure of the switch head	stainless steel
repeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating force in directions of actuation15 Nlength of the sensor70 mmwidth of the sensor40 mmAmbient conditions40 mmambient temperature-25 +85 °C• during operation-25 +85 °C• during storage-25 +85 °Cexplosion protection category for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1operational current at AC-151• at 125 V rated value6 A• at 25 V rated value0,55 A	reference code according to IEC 81346-2	В
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length of the sensor 70 mm width of the sensor 40 mm Ambient conditions 40 mm ambient temperature -25 +85 °C • during operation -25 +85 °C • during storage -25 +85 °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 operational current at AC-15 - • at 125 V rated value 6 A • at 230 V rated value 3 A operational current at DC-13 - • at 125 V rated value 0.55 A	Substance Prohibitance (Date)	07/01/2006
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Ambient conditions Formation and the perstance of the spin of the sp	length of the sensor	70 mm
ambient temperature-25 +85 °C• during operation-25 +85 °C• during storage-25 +85 °Cexplosion protection category for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1number of NC contacts for auxiliary contacts1operational current at AC-1550 60 Hz• at 125 V rated value6 A• at 230 V rated value3 Aoperational current at DC-13 55 A	width of the sensor	40 mm
• during operation-25 +85 °C• during storage-25 +85 °Cexplosion protection category for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1operational current at AC-151• at 125 V rated value6 A• at 230 V rated value3 Aoperational current at DC-130.55 A	Ambient conditions	
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explosion protection category for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1operational current at AC-15-• at 125 V rated value6 A• at 230 V rated value3 Aoperational current at DC-13-• at 125 V rated value0.55 A	during operation	-25 +85 °C
design of the switching contactmechanicaloperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1operational current at AC-151• at 125 V rated value6 A• at 230 V rated value3 Aoperational current at DC-130.55 A	during storage	-25 +85 °C
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 125 V rated value 6 A • at 230 V rated value 3 A operational current at DC-13 - • at 125 V rated value 0.55 A	explosion protection category for dust	none
number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 operational current at AC-15 1 • at 125 V rated value 6 A • at 230 V rated value 3 A operational current at DC-13 0.55 A	design of the switching contact	mechanical
number of NO contacts for auxiliary contacts 1 operational current at AC-15 - • at 125 V rated value 6 A • at 230 V rated value 3 A operational current at DC-13 - • at 125 V rated value 0.55 A	operating frequency rated value	50 60 Hz
operational current at AC-15 6 • at 125 V rated value 6 A • at 230 V rated value 3 A operational current at DC-13 0.55 A	number of NC contacts for auxiliary contacts	1
• at 125 V rated value 6 A • at 230 V rated value 3 A operational current at DC-13 0.55 A	number of NO contacts for auxiliary contacts	1
• at 230 V rated value 3 A operational current at DC-13 0.55 A	operational current at AC-15	
operational current at DC-13 • at 125 V rated value 0.55 A	• at 125 V rated value	6 A
• at 125 V rated value 0.55 A	• at 230 V rated value	3 A
	operational current at DC-13	
• at 230 V rated value 0.27 A	• at 125 V rated value	0.55 A
	• at 230 V rated value	0.27 A

Enclosure			
design of the housing	block		
material of the enclosure	metal		
coating of the enclosure	painted		
design of the housing according to standard	No		
Drive Head			
design of the actuating element	roller plunger		
shape of the switch head	roller		
design of the switching function	snap-action contact		
circuit principle	snap-action contacts		
number of switching contacts safety-related	1		
design of plug-in connection	M12 connector, 5-pole: pin 1= terminal BK, pin 2= BK/WH, pin 3= BU, pin 4= BN, pin 5= GN/YE		
Installation/ mounting/ dimensions			
mounting position	any		
fastening method	screw fixing		
Connections/ Terminals			
type of electrical connection	M12 plug, fixed, 5-pole		
design of the interface for safety-related communication	without		
Communication/ Protocol			
design of the interface	without		
Certificates/ approvals			
General Product Approval	Declaration of Conformity		

other

Confirmation

Further information

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=3SE5423-0CD20-1EB1

Cax online generator

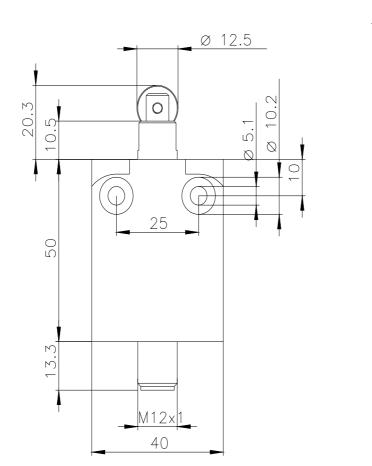
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5423-0CD20-1EB1

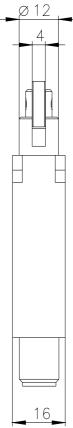
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

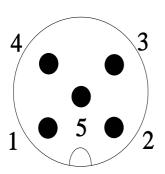
https://support.industry.siemens.com/cs/ww/en/ps/3SE5423-0CD20-1EB1

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

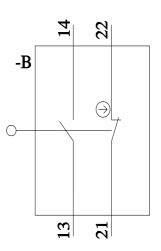
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1	\rightarrow	22
2	\rightarrow	21
3	\rightarrow	14
4	\rightarrow	13
5	\rightarrow	PE



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