SIEMENS

Data sheet

3SE5162-0CH60-1AJ0



Position switch with twist lever adjustable-length with grid hole Metal enclosure XL, 56 mm wide Increased corrosion protection Device connection 3 x (M20 x 1.5) 2 x (1 NO/1 NC) quick action contacts functional at -40 °C Shock and vibration test according to EN 61373, Category 1B

product designation Mechanical position switches product type designation 3SE5 manufacturer's article number 3SE5182-0CA00-1AJ0 • of the supplied actuator head for position switches 3SE55000-0A400-1AJ0 • of the supplied actuator head for position switches 3SE5000-0A400-1AJ0 • of the supplied actuator head for position switches 3SE5000-0A400-1AJ0 • of the supplied switching contacts 11 3SE5000-0CA00 suitability for use safety switch Yes Ceneral technical data product function positive opening yreduct function positive opening Yes Insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 KV • according to IEC 60068-227 30g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 8008-2-6 0.33 mm/5g mechanical service Iff (opersting cycles) typical 5000 000 electrical endurance (operating cycles) typical 5000 000 febrance code according to IEC 81346-2 B continuous current of the witch head	product brand name	SIRIUS
product type designation 3SE5 manufacturor's article number 3SE5162-0CA00-1A10 • of the supplied actuator head for position switches 3SE5000-0A400-1A10 • of the supplied actuator head for position switches 3SE5000-0A400-1A10 • of the supplied witching contacts 1x 3SE5000-0CA00, 1x 3SE5060-0CA00 suitability for use safety switch Yes 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 EC 60068-2-6 0.35 mm/Sg mechanical service life (operating cycles) typical 5000 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 typical thormal current 10 A methanical service life (Deatacteristic MCB 1 A, for a short-circuit current smaller than 400 A continuous current of the C characteristic MCB		
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of the supplied actuator head for position switches of the supplied actuator head for position switches of the supplied switching contacts if the supplied switching contacts if the supplied switching for use afety switch Yes for a start technical data forduction positive opening Yes forduct function degree of pollution degr	manufacturer's article number	
of the supplied operating lever of the supplied switching contacts 1x 3SE5000-0CA00, 1x 3SE5060-0CA00 ves General technical data product function positive opening Yes finsulation voltage rated value 400 V degree of pollution degree of resistance degree of	 of the supplied basic switch 	<u>3SE5162-0CA00-1AJ0</u>
of the supplied switching contacts if x 3SE5000-0CA00, 1x 3SE5060-0CA00 isulability for use safely 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 6 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to EN 61373 Category 1, Class B vibration resistance according to EC 60068-2-4 outper substance (operating cycles) typical iso for railway applications according to EX 615 at 230 V typical thermal current 10 A material of the enclosure of the switch head plastic 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 DLAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DLAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating torque in directions of actuation 0.3 N·m length of the sensor width of the sensor substance set. Aubient conditions ambient temperature 40 +85 °C explosion protection category for dust none	 of the supplied actuator head for position switches 	<u>3SE5000-0AH00-1AJ0</u>
suitability for use safety switch Yes Ceneral technical data	 of the supplied operating lever 	<u>3SE5000-0AA60-1AJ0</u>
General technical data Yes 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 mechanical service IIFe (operating cycles) typical 5 000 000 electrical endurance (operating cycles) typical 5 000 000 electrical endurance (operating cycles) typical 100 A material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B 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 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the IDIAZED fuse link gG 6 A active principie mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minium actuating torque in dir	 of the supplied switching contacts 	1x 3SE5000-0CA00, 1x 3SE5060-0CA00
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 mechanical service life (operating cycles) typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B 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 0.5 mm Substance Prohibitance (Date) 07/01/2006 minium actuating torque in directions of actuation 0.3 Nm length of the sensor 214 mm <	suitability for use safety switch	Yes
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degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP66/IP67 shock resistance	product function positive opening	Yes
surge voltage resistance rated value 6 kV protection class IP IP66/IP67 shock resistance	insulation voltage rated value	400 V
protection class IP IP66/IP67 shock resistance according to IEC 60068-2-27 according to IEC 60068-2-27 30g / 11 ms vibration resistance according to EN 61373 Category 1, Class B vibration 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 plastic 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 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 0.3 N·m length of the sensor 214 mm width of the sensor 56 mm Ambient temperature -40 +85 °C e during operation -40 +85 °C <t< th=""><th>degree of pollution</th><th>class 3</th></t<>	degree of pollution	class 3
shock resistance 30g / 11 ms • 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 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 plastic 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 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 0.3 N·m length of the sensor 214 mm width of the sensor 56 mm Ambient temperature -40 +85 °C • during operation -40 +85 °C • during storage -40 +90 °C	surge voltage resistance rated value	6 kV
• 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 mechanical service life (operating cycles) typical 5 000 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 thermal current 10 A material of the enclosure of the switch head plastic reference code according to IEC 81346-2 B continuous current of the Characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 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 0.3 N·m length of the sensor 214 mm width of the sensor 56 mm Ambient conditions -40 +85 °C e during operation -40 +85 °C e during	protection class IP	IP66/IP67
• for railway applications according to EN 61373 Category 1, Class B vibration 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 plastic 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 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) 07/10/2006 minimum actuating torque in directions of actuation 0.3 N·m length of the sensor 214 mm width of the sensor 56 mm Ambient conditions -40 +85 °C • during operation -40 +85 °C • during storage -40 +90 °C explosion protection category for dust none	shock resistance	
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typicalthermal current10 Amaterial of the enclosure of the switch headplasticreference 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 quick 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 torque in directions of actuation0.3 N·mlength of the sensor214 mmwidth of the sensor56 mmAmbient temperature-40 +85 °C• during operation-40 +85 °C• during storage-40 +85 °C• curring storage-40 +90 °Cexplosion protection category for dustnone	mechanical service life (operating cycles) typical	5 000 000
material of the enclosure of the switch headplasticreference 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 quick 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 torque in directions of actuation0.3 N·mlength of the sensor214 mmwidth of the sensor56 mmAmbient conditionsambient temperature • during operation • during storage-40 +85 °C-40 +85 °Cexplosion protection category for dustnone		100 000
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 quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the 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 0.3 N·m length of the sensor 214 mm width of the sensor 56 mm Ambient conditions -40 +85 °C e during operation -40 +85 °C e during storage -40 +90 °C explosion protection category for dust none	thermal current	10 A
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continuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006minimum actuating torque in directions of actuation0.3 N·mlength of the sensor214 mmwidth of the sensor56 mmAmbient conditionsambient temperature• during operation-40 +85 °C• during storage-40 +90 °Cexplosion protection category for dustnone	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating torque in directions of actuation 0.3 N·m length of the sensor 214 mm width of the sensor 56 mm Ambient conditions 36 mm ambient temperature -40 +85 °C • during operation -40 +90 °C explosion protection category for dust none	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating torque in directions of actuation 0.3 N·m length of the sensor 214 mm width of the sensor 56 mm Ambient conditions 36 mm ambient temperature -40 +85 °C • during operation -40 +90 °C explosion protection category for dust none	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date) 07/01/2006 minimum actuating torque in directions of actuation 0.3 N·m length of the sensor 214 mm width of the sensor 56 mm Ambient conditions 56 mm ambient temperature -40 +85 °C • during operation -40 +90 °C explosion protection category for dust none	active principle	mechanical
minimum actuating torque in directions of actuation 0.3 N·m length of the sensor 214 mm width of the sensor 56 mm Ambient conditions 56 mm ambient temperature -40 +85 °C • during operation -40 +85 °C • during storage -40 +90 °C explosion protection category for dust none	repeat accuracy	0.05 mm
length of the sensor 214 mm width of the sensor 56 mm Ambient conditions 56 mm ambient temperature -40 +85 °C • during operation -40 +85 °C • during storage -40 +90 °C explosion protection category for dust none	Substance Prohibitance (Date)	07/01/2006
width of the sensor 56 mm Ambient conditions 56 mm ambient temperature -40 +85 °C • during operation -40 +85 °C • during storage -40 +90 °C explosion protection category for dust none	minimum actuating torque in directions of actuation	0.3 N·m
Ambient conditions ambient temperature • during operation • during storage -40 +85 °C • during storage -40 +90 °C explosion protection category for dust	length of the sensor	214 mm
ambient temperature -40 +85 °C • during storage -40 +90 °C explosion protection category for dust none	width of the sensor	56 mm
• during operation -40 +85 °C • during storage -40 +90 °C • explosion protection category for dust none	Ambient conditions	
• during storage -40 +90 °C explosion protection category for dust none	ambient temperature	
explosion protection category for dust none	during operation	-40 +85 °C
	during storage	-40 +90 °C
design of the switching contact	explosion protection category for dust	none
design of the switching contact mechanical	design of the switching contact	mechanical

operating frequency r	ated value		50 6	60 Hz			
number of NC contacts for auxiliary contacts		2					
number of NO contact	s for auxiliary contacts		2				
operational current at	AC-15						
 at 24 V rated value 	ar		6 A				
 at 125 V rated va 	lue		6 A				
 at 240 V rated value 	lue		6 A				
 at 400 V rated value 	lue		4 A				
operational current at	DC-13						
 at 24 V rated value 	le		3 A				
 at 125 V rated va 	lue		0.55 A	۱.			
 at 250 V rated va 	lue		0.27 A	۱.			
 at 400 V rated va 	llue		0.12 A	1			
Enclosure							
design of the housing			block,	wide			
material of the enclos	ure		metal				
coating of the enclosu	ire		cathoo	dic dip coating			
design of the housing	according to standard		No				
Drive Head							
design of the actuatin	g element		Adjust 19 mn		able-length metal leve	r with latching, plastic roll	ller
standard-compliant ac	ctuator head		EN 50	041, design A			
shape of the switch he	ead		roller				
design of the switchin	g function		positiv	e opening			
circuit principle			snap-a	action contacts			
number of switching co	ntacts safety-related		2				
cable entry type			3x (M2	20 x 1.5)			
Installation/ mounting/ o	dimensions						
mounting position			any				
fastening method			screw	fixing			
Connections/ Terminals	;						
type of electrical conn	ection		screw	-type terminals			
type of connectable c	onductor cross-sections						
 solid 				5 1.5 mm²), 2x (0.5 .			
 finely stranded with core end processing 			1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)				
 for AWG cables solid 			1x (20 16), 2x (20 18)				
 for AWG cables s 			1x (20	16), 2x (20 18)			
ŭ	or safety-related commun	ication	withou	ıt			
Communication/ Protoc	ol						
design of the interface)		withou	it			
Certificates/ approvals							
General Product App	roval						
(T)	UK	~ ~		m	Confirmation	ŝ	
0H	22			(m)		(^v L)	
CSA	LН	EG-Konf.		ccc		UL	
General Product Ap- proval	Functional Safety/Safety of Ma- chinery	Test Certificate	s	other			
	,						
EHC	Type Examination Cer- tificate	<u>Type Test Certi</u> ates/Test Repo		<u>Confirmation</u>			

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

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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

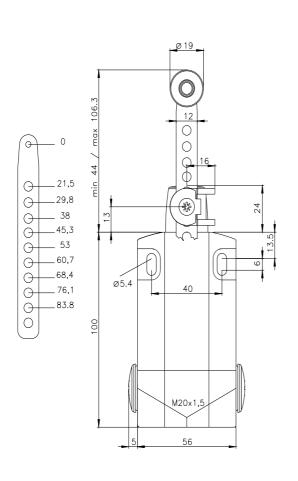
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5162-0CH60-1AJ0

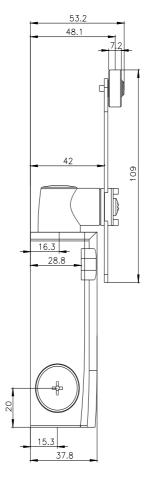
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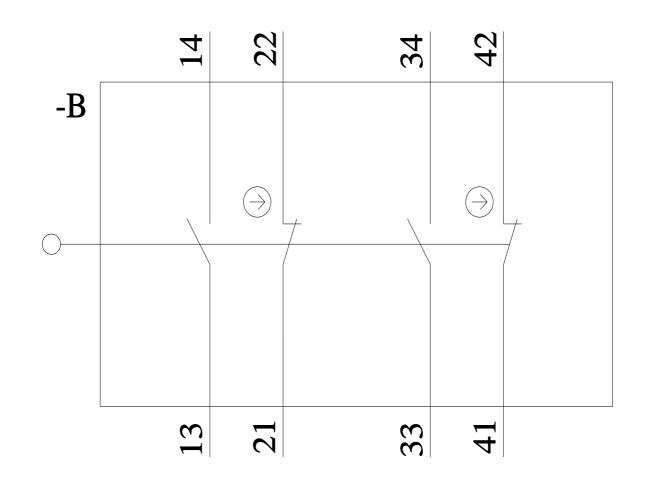
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