3SE5132-0LA00-1AJ0

Data sheet



Position switch basic switch plastic 40 mm, according to EN 50041 Increased corrosion protection Device connection 1 x (M20 x 1.5) 1 NO/2 NC quick action contacts functional at -40 $^{\circ}$ C Shock and vibration test according to EN 61373, Category 1B

product type designation product type designation of the supplied basic switch of the supplied basic switch of the supplied basic switch of the supplied switching contacts suitability for use safety switch Sass500.001.A0Q suitability for use safety switch Press General technical data product function positive opening Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value degree of pollution surge voltage resistance rated value in protection class IP protection class IP shock resistance according to IEC 60068-2-27 of rariaway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-8 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 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 gG 6 A active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor 40 mm Ambient temperature during operation during storage explosion protection category for dust design of the switching contact power fair of working contacts power fair of the	product brand name	SIRIUS
manufacturer's article number of the supplied basic switch of the supplied basic switch of the supplied basic switch of the supplied switching contacts suitability for use safety switch Yes insulation voltage rated value product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value of kW protection class IP shock resistance according to IEC 60068-2-27 of rarialway applications according to EN 61373 Vibration resistance according to IEC 60068-2-6 machanical service life (operating cycles) typical lelectrical endurance (operating cycles) at AC-15 at 230 V typical thermal current ferference 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 Ocontinuous current of the DIAZED fuse link G active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation adminimum actuating force in directions of actuation of uting storage awill of the sensor 40 mm Ambient conditions ambient temperature during operating requency rated value overlance of NC contacts for auxiliary contacts 2 current of NC contacts for auxiliary contacts 2 current of NC contacts for auxiliary contacts 2 current of the switching contact mechanical mechanica	product designation	Mechanical position switches
of the supplied basic switch of the supplied switching contacts 35E500.0LA00 35E500.0L	product type designation	3SE5
of the supplied switching contacts suitability for use safety switch Yes General technical data product function positive opening Yes Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 o.35 mm/5g mechanical service life (operating cycles) typlcal electrical endurance (operating cycles) at AC-15 at 230 V typlcal thermal current 10 A 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 active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation ambient conditions ambient conditions ambient conditions and the sensor during storage 40 +85 °C explosion protection category for dust design of the switching contact per oduct for auxiliary contacts 2 contact of the contacts for auxiliary contacts 2 contact of the contacts for auxiliary contacts 2 contact of the contacts for auxiliary contacts 3 service life (peration 40 +85 °C explosion protection category for dust design of the switching contact service life (peratics) 40 +85 °C explosion protection category for dust design of the switching contact service life (peratics) servic	manufacturer's article number	
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Percent Perc	 of the supplied switching contacts 	3SE5000-0LA00
product function positive opening Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 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 0 A; for a short-circuit current smaller than 400 A continuous current of the Diazed fuse link gG 6 A mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor 40 mm Ambient temperature • during operation • during storage explosion protection category for dust design of the switching contact poperating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 2	suitability for use safety switch	Yes
Insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP shock resistance * according to IEC 60068-2-27 6 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical stermal current 10 A reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the C characteristic MCB active principle repeat accuracy Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust design of the switching contact operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts	General technical data	
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 protection class IP shock resistance • according to IEC 60068-2-27 • (or railway applications according to EN 61373) vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A reference code according to IEC 81346-2 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 continuous current of the DIAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust design of the switching contact operating frequency rated value number of NC contacts for auxiliary contacts 2 lP66//P67 30g / 11 ms 20g / 10 millions 20g / 10 millions 20g / 10 millions 20g / 11 ms 20g / 10 millions 20g / 10 millions 20g / 11 ms 20g / 10 millions 20g / 10 millions 20g / 11 ms 20g / 10 millions 20g / 11 ms 20g /	insulation voltage rated value	400 V
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according to IEC 60068-2-27 for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A 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 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage explosion protection category for dust design of the switching contact prevated accuracy one mechanical mechanical -40 +85 °C • during storage explosion protection category for dust mechanical operating frequency rated value none for Contacts for auxiliary contacts 2	protection class IP	IP66/IP67
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mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A 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 continuous current of the DIAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation during storage 40 +85 °C explosion protection category for dust none design of the switching contact mechanical operating frequency rated value number of NC contacts for auxiliary contacts 2	 for railway applications according to EN 61373 	Category 1, Class B
electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current thermal current 10 A reference code according to IEC 81346-2 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 active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation during storage 40 +85 °C explosion protection category for dust none design of the switching contact mechanical operating frequency rated value number of NC contacts for auxiliary contacts 2	vibration resistance according to IEC 60068-2-6	0.35 mm/5g
typical thermal current 10 A 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 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation -40 +85 °C -40 +90 °C explosion protection category for dust design of the switching contact operating frequency rated value number of NC contacts for auxiliary contacts 2	mechanical service life (operating cycles) typical	15 000 000
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continuous current of the DIAZED fuse link gG 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 85.7 mm width of the sensor 40 mm Ambient conditions ambient temperature	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
active principle repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating force in directions of actuation length of the sensor 85.7 mm width of the sensor 40 mm Ambient conditions ambient temperature during operation during storage 40 +85 °C 40 +90 °C explosion protection category for dust none design of the switching contact noperating frequency rated value number of NC contacts for auxiliary contacts 2	continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
repeat accuracy Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation during storage explosion protection category for dust design of the switching contact operating frequency rated value number of NC contacts for auxiliary contacts 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 07/01/2006 04/0 mm 40 mm Ambient conditions -40 +85 °C -40 +90 °C explosion protection category for dust mechanical operating frequency rated value 50 60 Hz	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date) minimum actuating force in directions of actuation length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature during operation during storage during storage explosion protection category for dust design of the switching contact operating frequency rated value number of NC contacts for auxiliary contacts 20 N 40 mm 40 mm 40 mm -40 +85 °C -40 +90 °C explosion protection category for dust none design of the switching contact mechanical 50 60 Hz	active principle	mechanical
minimum actuating force in directions of actuation length of the sensor width of the sensor Ambient conditions ambient temperature o during operation -40 +85 °C oduring storage -40 +90 °C explosion protection category for dust design of the switching contact operating frequency rated value number of NC contacts for auxiliary contacts 20 N 85.7 mm 40 mm -40 +85 °C -40 +90 °C explosion protection category for dust none design of the switching contact perating frequency rated value 50 60 Hz	repeat accuracy	0.05 mm
length of the sensor width of the sensor 40 mm Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust design of the switching contact operating frequency rated value number of NC contacts for auxiliary contacts 2	Substance Prohibitance (Date)	07/01/2006
width of the sensor Ambient conditions ambient temperature • during operation • during storage • during storage explosion protection category for dust design of the switching contact operating frequency rated value number of NC contacts for auxiliary contacts 40 mm -40 +85 °C -40 +90 °C explosion protection category for dust none design of the switching contact mechanical 50 60 Hz	minimum actuating force in directions of actuation	20 N
Ambient conditions ambient temperature • during operation • during storage • during storage • during storage • and an explosion protection category for dust consider the switching contact coperating frequency rated value number of NC contacts for auxiliary contacts 2	length of the sensor	85.7 mm
ambient temperature	width of the sensor	40 mm
 during operation during storage +40 +85 °C explosion protection category for dust design of the switching contact operating frequency rated value number of NC contacts for auxiliary contacts 2	Ambient conditions	
● during storage -40 +90 °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 2	ambient temperature	
explosion protection category for dust design of the switching contact operating frequency rated value number of NC contacts for auxiliary contacts none mechanical 50 60 Hz	during operation	-40 +85 °C
design of the switching contact mechanical operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 2	during storage	-40 +90 °C
operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 2	explosion protection category for dust	none
number of NC contacts for auxiliary contacts 2	design of the switching contact	mechanical
·	operating frequency rated value	50 60 Hz
number of NO contacts for auxiliary contacts	number of NC contacts for auxiliary contacts	
	number of NO contacts for auxiliary contacts	1

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operational current at AC-15	
• at 24 V rated value	6 A
 at 125 V rated value 	6 A
 at 240 V rated value 	6 A
 at 400 V rated value 	4 A
operational current at DC-13	
• 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, narrow
material of the enclosure	plastic
coating of the enclosure	Other types
design of the housing according to standard	Yes
Drive Head	
design of the actuating element	Other, without, basic switch
design of the switching function	Positive opening with appropriate positive opening actuator head
circuit principle	snap-action contacts
number of switching contacts safety-related	2
cable entry type	1x (M20 x 1.5)
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)
 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 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









Confirmation



General Product Approval

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

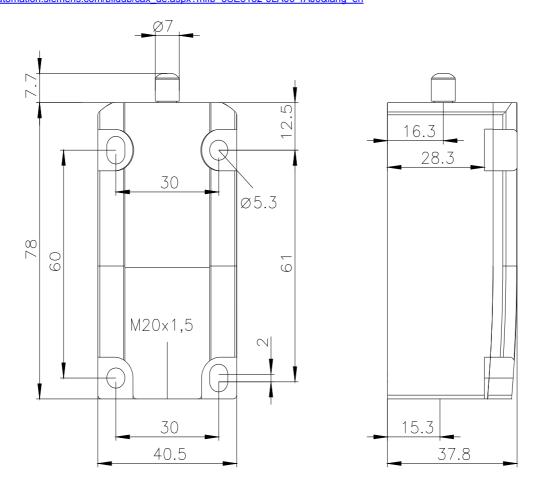
Industry Mall (Online ordering system)

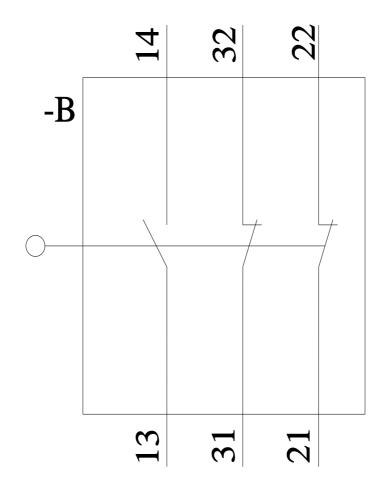
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5132-0LA00-1AJ0

Cax online generator

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5132-0LA00-1AJ0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SE5132-0LA00-1AJ0&lang=en





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