SIEMENS

Data sheet

3SE5132-0PA00



Basic switch for position switch 3SE513 Enclosure plastic according to EN 50041, 1 x (M20 x 1.5) 2 NO/1 NC slow-action contacts without actuator head

product brand name SiRUs product designation Mechanical safety switches product type designation SSE5 manufacture's article number SSE5000020200 • of the supplied switching contacts SSE50000202000 soft the supplied empty enclosure with cover SSE5132-0A000 suitability for use safety switch Yes Ceneral technical data Product function positive opening product function positive opening Ves Insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value 4 kV protection class IP IP66/IP67 shock resistance - • according to IEC 60068-2-7 30g / 11 ms vibration resistance according to IEC 60068-2-7 30g / 11 ms • according to IEC 60068-2-7 30g / 11 ms vibration resistance according to IEC 60068-2-7 30g / 11 ms • according to IEC 61346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the C characteristic MCB 1 A; for a short-circuit		
product type designation 38E5 manufacturor's article number 38E5000-0PA00 • of the supplied withing contacts 38E5132-0AA00 suitability for use safety switch Yes product function positive opening Yes product function positive opening Yes insultation voitage rated value 250 \0 degree of pollution class 3 surge voitage resistance rated value 4 kV protection class IP IPe6/IP67 shock resistance 30g /11 ms • according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical 15 000 00 electrical endurance (operating cycles) typical 15 000 00 thermal current 10 A reference code according to IEC 61346-2 B 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 DIAZED fuse link 0.05 mm Substance Prohibitance (Date) 70701/2006 SVIC substance name Imidazoldin-2-th	product brand name	SIRIUS
manufacturer's article number SSE5000-0PA00 • of the supplied switching contacts SSE5000-0PA00 suitability for use safety switch Yes Canaral tachnical data	product designation	Mechanical safety switches
• of the supplied switching contacts 3SE5000_0PA00 • of the supplied smythenclosure with cover 3SE5132-0AA00 suitability for use safety switch Yes Central technical data	product type designation	3SE5
• of the supplied empty enclosure with cover SSE5132-0AA00 suitability for use safety switch Yes Ceneral tackhical data Product function positive opening Yes Insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value 4 kV protection class IP IP66/IP67 shock resistance - • according to IEC 60068-2-47 30g / 11 ms vibration resistance according to IEC 60068-2-5 0.35 mm/5g mechanical service IIfe (operating cycles) typical 15 000 000 olectrical endvance (operating toycles) at AC-15 at 230 V 100 000 typical 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 QLAZED 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) 07/101/2006 SVHC substance name Imidiazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 40 mm width of the	manufacturer's article number	
suitability for use safety switch Yes General technical data	 of the supplied switching contacts 	<u>3SE5000-0PA00</u>
General technical data product function positive opening Yes Insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value 4 kV protection class IP IP66/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 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 typical 100 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 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 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 mininum actu	 of the supplied empty enclosure with cover 	<u>3SE5132-0AA00</u>
product function positive opening Yes insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value 4 kV protection class IP IP66/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 15 000 000 electrical endurance (operating cycles) typical 100 000 thermal current 10 A 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 QLAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/1/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minium actuating force in directions of actuation 20 N length of the sensor 45.7 mm width of the sensor 40 mm Anbient tomelation	suitability for use safety switch	Yes
Insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value 4 kV protection class IP IP66/IP67 shock resistance iP66/IP67 • 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 15 000 000 electrical endurance (operating cycles) typical 100 000 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 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 40 mm Ambient temperature -25	General technical data	
degree of pollution class 3 surge voltage resistance rated value 4 kV protection class IP IP66/IP67 shock resistance IP66/IP67 • 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 15 000 000 electrical endurance (operating cycles) typical 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 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 SVH cubstance name Imidazolidin-2-thoin -96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 85.7 mm width of the sensor 85.7 mm width of the sensor 40 mm ambient temperature -25 +85	product function positive opening	Yes
surge voltage resistance rated value 4 kV protection class IP IP66/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) at AC-15 at 230 V 100 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 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 gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 0701/2006 SWHC substance name Imidazolidini-2-thion - 96-45-7 minimu actuating force in directions of actuation 20 N length of the sensor 85.7 mm width of the sensor 85.7 mm anbient conditions	insulation voltage rated value	250 V
Component of the sensor PR66/IP67 shock resistance 30g / 11 ms • 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 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 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 6 A continuous current of the DIAZED fuse link gG 6 A continuous current of the DIAZED fuse link gG 005 mm Substance Prohibitance (Date) 0701/12006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 85.7 mm width of the sensor 85.7 mm width of the sensor -40+80 °C explosion protection category for dust none eduring storage -40+80 °C eduring storage -4	degree of pollution	class 3
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 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 typical 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 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 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 85.7 mm width of the sensor 85.7 mm width of the sensor 40 mm Ambient conditions -25 +85 °C e during storage -40 .	surge voltage resistance rated value	4 kV
• according to IEC 60068-2-2730g / 11 msvibration resistance according to IEC 60068-2-60.35 mm/5gmechanical service life (operating cycles) typical15 000 000electrical endurance (operating cycles) at AC-15 at 230 V typical100 000reference 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 link gG6 Aactive principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006SVHC substance nameImidazolidin-2-thion - 96-45-7minimum actuating force in directions of actuation20 Nelength of the sensor85.7 mmwidth of the sensor40 mmamblent temperature-25 +85 °C• during storage-25 +85 °C• during storage <th>protection class IP</th> <th>IP66/IP67</th>	protection class IP	IP66/IP67
vibration resistance according to IEC 60068-2-60.35 mm/5gmechanical service life (operating cycles) typical15 000 000electrical endurance (operating cycles) at AC-15 at 230 V typical100 000thermal current10 Areference 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)07/01/2006SVHC substance nameImidazolidin-2-thion - 96-45-7minimum actuating force in directions of actuation20 Nlength of the sensor40 mmAmblent conditions-25 +85 °Ce during operation-25 +85 °Ce during storage-40 +90 °Ce seplosion protection category for dustmechanicaloperating storage-40 +90 °Ce seplosion protection category for dustmechanicaloperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1	shock resistance	
mechanical service life (operating cycles) typical 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V 100 000 typical 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 gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 40 mm Ambient conditions -25 +85 °C e during operation -25 +85 °C e during storage -40 +90 °C e 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	 according to IEC 60068-2-27 	30g / 11 ms
electrical endurance (operating cycles) at AC-15 at 230 V 100 000 typical 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 gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 85.7 mm width of the sensor 40 mm Ambient conditions -25 +85 °C e during operation -25 +85 °C e 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 1	vibration resistance according to IEC 60068-2-6	0.35 mm/5g
typical In A 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 gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 85.7 mm width of the sensor 40 mm Ambient conditions -25 +85 °C • during operation -25 +85 °C • 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 1	mechanical service life (operating cycles) typical	15 000 000
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 gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 85.7 mm width of the sensor 40 mm Ambient conditions		100 000
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 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 85.7 mm width of the sensor 40 mm Ambient conditions -25 +85 °C e during operation -25 +85 °C e 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 1	thermal current	10 A
continuous 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)07/01/2006SVHC substance nameImidazolidin-2-thion - 96-45-7minimum actuating force in directions of actuation20 Nlength of the sensor85.7 mmwidth of the sensor40 mmAmbient conditionsambient temperature• during operation-25 +85 °C• during storage-40 +90 °Cexplosion protection category for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1	reference code according to IEC 81346-2	В
continuous current of the DIAZED fuse link gG6 Aactive principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006SVHC substance nameImidazolidin-2-thion - 96-45-7minimum actuating force in directions of actuation20 Nlength of the sensor85.7 mmwidth of the sensor40 mmAmbient conditions• during operation-25 +85 °C• during storage-40 +90 °Cexplosion protection category for dustnonedesign of the switching contact50 60 Hznumber of NC contacts for auxiliary contacts1	continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
active principlemechanicalrepeat accuracy0.05 mmSubstance Prohibitance (Date)07/01/2006SVHC substance nameImidazolidin-2-thion - 96-45-7minimum actuating force in directions of actuation20 Nlength of the sensor85.7 mmwidth of the sensor40 mmAmbient conditionse during operation-25 +85 °Ce during storage-40 +90 °Cexplosion protection category for dustnonedesign of the switching contactmechanicaloperating frequency rated value50 60 Hznumber of NC contacts for auxiliary contacts1	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)07/01/2006SVHC substance nameImidazolidin-2-thion - 96-45-7minimum actuating force in directions of actuation20 Nlength of the sensor85.7 mmwidth of the sensor40 mmAmbient conditions	continuous current of the DIAZED fuse link gG	6 A
Substance Prohibitance (Date)07/01/2006SVHC substance nameImidazolidin-2-thion - 96-45-7minimum actuating force in directions of actuation20 Nlength of the sensor85.7 mmwidth of the sensor40 mmAmbient conditions	active principle	mechanical
SVHC substance nameImidazolidin-2-thion - 96-45-7minimum actuating force in directions of actuation20 Nlength of the sensor85.7 mmwidth of the sensor40 mmAmbient conditions	repeat accuracy	0.05 mm
minimum actuating force in directions of actuation20 Nlength of the sensor85.7 mmwidth of the sensor40 mmAmbient conditions	Substance Prohibitance (Date)	07/01/2006
length of the sensor 85.7 mm width of the sensor 40 mm Ambient conditions	SVHC substance name	Imidazolidin-2-thion - 96-45-7
width of the sensor 40 mm Ambient conditions 40 mm ambient temperature	minimum actuating force in directions of actuation	20 N
Ambient conditions ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust none design of the switching contact operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts	length of the sensor	85.7 mm
ambient temperature • during operation • during storage • operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 1	width of the sensor	40 mm
• during operation -25 +85 °C • 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 1	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 1	ambient temperature	
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	 during operation 	-25 +85 °C
design of the switching contact mechanical operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 1	during storage	-40 +90 °C
operating frequency rated value 50 60 Hz number of NC contacts for auxiliary contacts 1	explosion protection category for dust	none
number of NC contacts for auxiliary contacts 1	design of the switching contact	mechanical
· · · · · · · · · · · · · · · · · · ·	operating frequency rated value	50 60 Hz
number of NO contacts for auxiliary contacts 2	number of NC contacts for auxiliary contacts	1
	number of NO contacts for auxiliary contacts	2

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	slow-action contacts
number of switching contacts safety-related	1
cable entry type	1x (M20 x 1.5)
nstallation/ 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	
General Product Ap- proval other	
EAC	

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

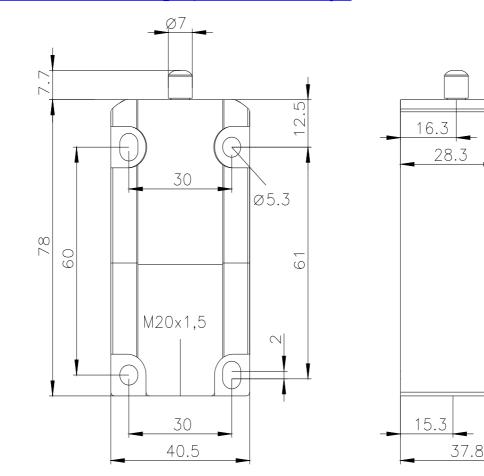
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5132-0PA00

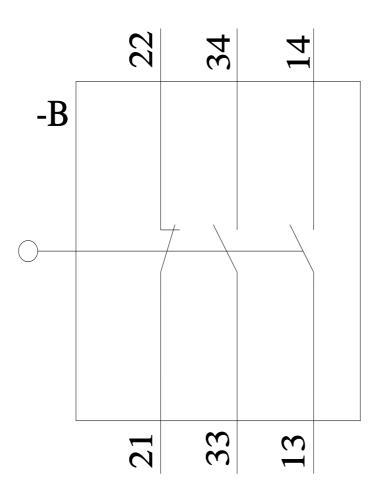
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5132-0PA00

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE5132-0PA00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5132-0PA00&lang=en





last modified:

9/5/2023 🖸