



3WA air circuit breakers

Made for makers. Simply reliable

Every power supply depends on a reliable infeed of electricity. The SENTRON 3WA air circuit breaker combines all the functions that today's digital companies need from electrification components. That includes reliable protection of people and systems from electrical damage and accidents, flexible use and retrofit options, a long service life and reduced maintenance, as well as innovative features consistent with engineering tools, reliable energy data acquisition, and seamless integration in digital environments. As a key component of electrical power distribution, the SENTRON 3WA air circuit breaker provides the foundation for integrated energy systems in the digital age

Trust the tried-and-tested



- Consistent portfolio
- Easy function extension
- Long-term security

Benefit from efficiency



- Optimal selectivity
- Highest product quality
- Time and cost savings for switchgear integration

Solutions with potential



- Permanent flexibility
- Future-proof communication solutions
- High system transparency

Enjoy consistency



- Consistent tool landscape
- Comfortable planning and project engineering



Scan for
more
info



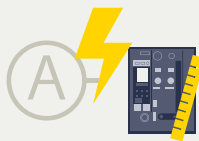
Future
ready



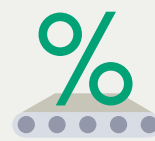
Easy
operation



Advanced
connectivity



Smallest
footprint



Shorter
downtime



Operator
safety



Efficient
metering



Easy
upgrade



Enhanced
safety



Cyber
security



High system
availability



Dual COM
Profinet with CC-C

SIEMENS



3WA air circuit breakers

The future of digital power distribution

The future will be connected.

The makers of tomorrow will require advanced diagnostics and safety during operation. They will need access to their power distribution system remotely and securely. With 3WA we invite you to a more connected and sustainable tomorrow.

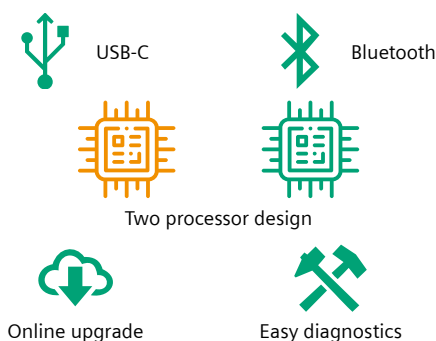
Welcome to the future of digital power distribution.

[siemens.com/3wa](https://www.siemens.com/3wa)

SIEMENS

ACB: SENTRON 3WA

- Conforms to IEC 60947-2
- Rated current - 630A to 6300A
- Short circuit breaking capacity upto 150kA
- Fully rated upto 55°C with 100% rated neutral
- Best in class endurance
- Upgradeable ETU with unique dual processor
- Industry leading diagnostic & testing features
- Cybersecure communication module with dual communication
- Advanced metering as per IEC 61557-12



Standard breaking capacity $I_{cs} = 100\% I_{cu}$

Manually operated ACB

Microprocessor based trip unit ETU600 with LSING¹⁾ protection

Frame Size	Rated Current In (A)	Type	Withdrawable ²⁾ design with Guide Frame		Fixed ³⁾ mounted design	
			Unit LP* ₹	Unit LP* ₹	Unit LP* ₹	Unit LP* ₹
			3 Pole	4 Pole	3 Pole	4 Pole
I	630	3WA1106....	POR	POR	POR	POR
	800	3WA1108....				
	1000	3WA1110....				
	1250	3WA1112....				
	1600	3WA1116....				
II	2000	3WA1220....				
	2500	3WA1225....				
	3200	3WA1232....				
	4000	3WA1240....				
III	5000	3WA1350....				
	6300	3WA1363....				

L: Overload protection
G: Ground fault protection

S: Delayed Short Circuit protection
N: Neutral protection

I: Short circuit protection

Note: Std. Pkg. = 1 unit

- 1) Current transformer for N-conductor shall be ordered separately for 3P ACB with Earth Fault and Neutral Conductor Protection.
- 2) Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, door sealing frame, Spring charge, ready to close signal switch, auxiliary contacts 2NO+2NC, trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit).
- 3) Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame Spring charge, ready to close signal switch, auxiliary contacts 2NO+2NC, trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit)

Prices of ACBs with other breaking capacities, 1000/1150V AC applications & DC applications available on request

Add-on options (Factory fitted)

Description	Add LP* ₹
Door Interlock	POR
Position Signal Switch for Withdrawable Breaker	
Castell lock mounting kit*	
Mutual Mechanical Interlocking (Bowden wire)	
PROFINET / MODBUS TCP Communication module	

Castell locks are to be ordered separately.

Please contact your nearest Siemens Sales Office for complete ordering code.

Motorised Mechanism	Add LP* ₹
208-240VAC, 220Vdc motor, closing coil & Shunt trip coil	POR
110-127VAC, 110Vdc motor, closing coil & Shunt trip coil	

Motorized mechanism with other control voltages are available on request



Accessories

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Shunt Release or Closing Coil Suitable for continuous operation	—	24-30	3WA9111-0AD02	21310.-
	110-127	110-125	3WA9111-0AD05	21310.-
	208-240	220-250	3WA9111-0AD06	21310.-
Under Voltage Release (Instantaneous)	380-415	—	3WA9111-0AE07	23555.-
Motorised Operating Mechanism	—	24-30	3WA9111-0AF02	117815.-
	110-127	110-125	3WA9111-0AF05	117815.-
	208-240	220-250	3WA9111-0AF06	117815.-
Castell Lock	—	—	3WX3663-6JEL_ \$	6545.-

Please order necessary auxiliary terminal blocks as per circuit diagram while ordering accessories. Please contact your nearest Siemens Sales Office for type nos. and prices.

\$ Types of castell locks shall be of type A, B, C, D, AB, AC; _ to be replaced by the type no.

Std. Pkg. = 1 unit

POR: Price On Request

* LP - List Price

ACB: SENTRON 3WL *Plus*

- Conforms to IEC 60947-2
- Rated current - 630A to 6300A
- Accurate protection through microprocessor based trip unit
- Unique ready-to-close interlock for maximum safety
- Mechanical contact erosion indicator
- Fully rated upto 55°C
- Neutral 100% rated
- Integrated online test facility
- Unique CubicleBus technology
- Data communication and power management options



Standard breaking capacity $I_{cs} = 100\% I_{cu}$

Manually operated ACB

Microprocessor based trip unit ETU45B LSIN protection (Overload and short circuit protection)

Frame Size	Rated Current In (A)	Type	Withdrawable design with Guide Frame		Fixed mounted design	
			Unit LP* ₹	Unit LP* ₹	Unit LP* ₹	Unit LP* ₹
			3 Pole	4 Pole	3 Pole	4 Pole
I	630	3WL1106....	POR	POR	POR	POR
	800	3WL1108....				
	1000	3WL1110....				
	1250	3WL1112....				
	1600	3WL1116....				
II	2000	3WL1220....				
	2500	3WL1225....				
	3200	3WL1232....				
	4000	3WL1240....				
III	5000	3WL1350....				
	6300	3WL1363....				

Prices of ACBs with other breaking capacities available on request.

L: Overload protection S: Delayed Short Circuit protection I: Short circuit protection
G: Ground fault protection N: Neutral protection

Note: Std. Pkg. = 1 unit

Add-on options (Factory fitted)

Microprocessor based Release	Add LP* ₹
For ground fault protection	POR
Protection function LSIN with Current display	
Protection function LSING with Current display	

For prices of breakers with other types of microprocessor based trip unit, please contact your nearest Siemens Sales Office

Motorised Mechanism	Add LP* ₹
208-240VAC, 220Vdc motor, closing coil & Shunt trip coil	POR
110-127VAC, 110Vdc motor, closing coil & Shunt trip coil	

Motorized mechanism with other control voltages are available on request

All ACBs are with Top Horizontal - Bottom Horizontal main terminals except 6300A & 4000A which have only Vertical-Vertical main termination.

Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, door sealing frame, ready to close signal switch, auxiliary contacts 2NO+ 2NC and trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit).

Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame, ready to close signal switch, auxiliary contacts 2NO+2NC and trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit)

Neutral CT if required, shall be ordered separately. *Castell locks are to be ordered separately.

Please contact your nearest Siemens Sales Office for complete ordering code.

Accessories

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Shunt Release or Closing Coil Suitable for continuous operation	—	24-30	3WA9111-0AD02	21310.-
	110-127	110-125	3WA9111-0AD05	21310.-
	208-240	220-250	3WA9111-0AD06	21310.-
Under Voltage Release (Instantaneous)	380-415	—	3WA9111-0AE07	23555.-
Motorised Operating Mechanism	—	24-30	3WA9111-0AF02	117815.-
	110-127	110-125	3WA9111-0AF05	117815.-
	208-240	220-250	3WA9111-0AF06	117815.-
Castell Lock	—	—	3WX3663-6JEL_ \$	6545.-

Please order necessary auxiliary terminal blocks as per circuit diagram while ordering accessories. Please contact your nearest Siemens Sales Office for type nos. and prices.

\$ Types of castell locks shall be of type A, B, C, D, AB, AC; _ to be replaced by the type no.

Std. Pkg. = 1 unit POR: Price On Request

* LP - List Price



SIMARIS

software tools

SIMARIS suite: Easy access to SIMARIS planning tools

Integrated and Safe planning of complete power distribution system

SIMARIS design

Power distribution network planning

- Compatible to load projects of version 10.x/11.x/24.x
- From medium-voltage in-feed down to final distribution
- Based on calculations as per IS/ IEC standards
- With automatic selection of appropriate switchgear & components

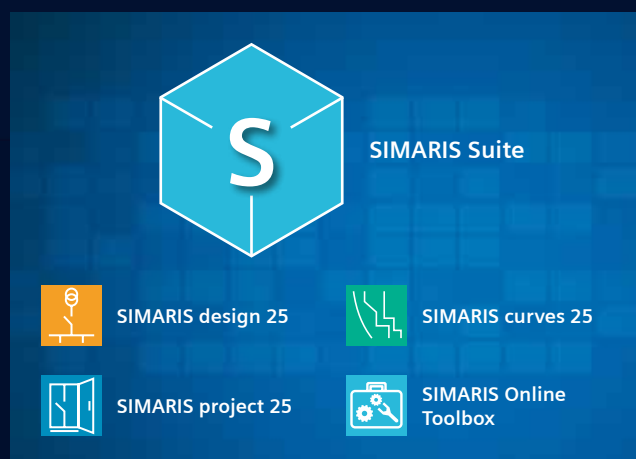
SIMARIS curves

Visualization & evaluation of:

- Tripping characteristics
- Cut-off current characteristics
- Let-through energy curves

*Download FREE version from www.siemens.com/simaris

www.siemens.com/simaris



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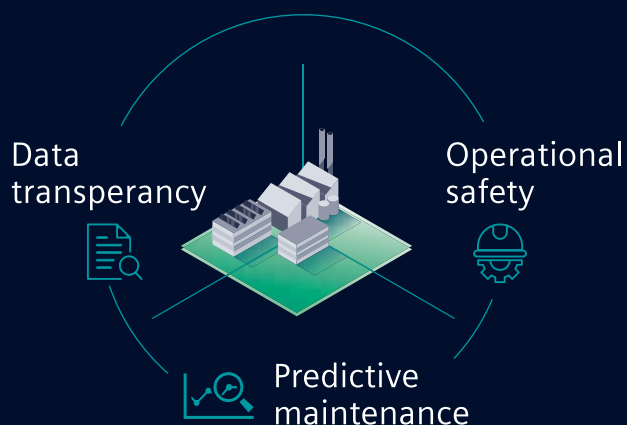


SENTRON 3WT^{Plus}

Air Circuit Breakers

Powering smart installations

- Integrated communication and metering option
- Easy parameterization and diagnostics with Powerconfig



www.siemens.co.in

SIEMENS

ACB: SENTRON 3WT^{Plus}

- Conforms to IEC 60947-2
- Rated current - 630A to 4000A
- $U_{imp} = 12kV$
- Integrated communication & metering option
- Easy parameterization and diagnostics with Powerconfig
- Mechanical contact erosion indicator
- Fully rated upto 50°C
- Integrated LCD display and Online test facility
- Variants available for 690V AC applications



Standard breaking capacity, 500VAC $I_{cs} = 100\% I_{cu}$

Microprocessor based trip unit ETU37WT: LSING¹⁾ + Display

Frame Size	Rated current In (A)		Withdrawable design with Guide Frame ²⁾			
			3 Pole	Unit LP* ₹	4 Pole	Unit LP* ₹
I	630	MDO	3WT8061-6AA04-5AB2	351295.-	3WT8065-6AA04-5AB2	456695.-
		EDO	3WT8061-6UA34-5AB2	454395.-	3WT8065-6UA34-5AB2	559795.-
	800	MDO	3WT8081-6AA04-5AB2	370750.-	3WT8085-6AA04-5AB2	485330.-
		EDO	3WT8081-6UA34-5AB2	473850.-	3WT8085-6UA34-5AB2	588430.-
	1000	MDO	3WT8101-6AA04-5AB2	380815.-	3WT8105-6AA04-5AB2	493960.-
		EDO	3WT8101-6UA34-5AB2	483915.-	3WT8105-6UA34-5AB2	597060.-
	1250	MDO	3WT8121-6AA04-5AB2	467750.-	3WT8125-6AA04-5AB2	556065.-
		EDO	3WT8121-6UA34-5AB2	570850.-	3WT8125-6UA34-5AB2	659165.-
	1600	MDO	3WT8161-6AA04-5AB2	502025.-	3WT8165-6AA04-5AB2	607710.-
		EDO	3WT8161-6UA34-5AB2	605125.-	3WT8165-6UA34-5AB2	710810.-
II	2000	MDO	3WT8202-6AA04-5AB2	630750.-	3WT8206-6AA04-5AB2	776300.-
		EDO	3WT8202-6UA34-5AB2	733850.-	3WT8206-6UA34-5AB2	879400.-
	2500	MDO	3WT8252-6AA04-5AB2	714455.-	3WT8256-6AA04-5AB2	908320.-
		EDO	3WT8252-6UA34-5AB2	817555.-	3WT8256-6UA34-5AB2	1011420.-
	3200	MDO	3WT8322-6AA04-5AB2	915975.-	3WT8326-6AA04-5AB2	1123905.-
		EDO	3WT8322-6UA34-5AB2	1019075.-	3WT8326-6UA34-5AB2	1227005.-

Microprocessor based Trip Units

ETU35WT: LSI + Display

5

Reduce

1070.-

5

Reduce

1070.-

Microprocessor based trip unit ETU37WT: LSING¹⁾ + Display

Frame Size	Rated current In (A)		Fixed Mounted design ³⁾			
			3 Pole	Unit LP* ₹	4 Pole	Unit LP* ₹
I	630	MF	3WT8061-6AA00-0AA2	258155.-	3WT8065-6AA00-0AA2	349265.-
		EF	3WT8061-6UA30-0AA2	361255.-	3WT8065-6UA30-0AA2	452365.-
	800	MF	3WT8081-6AA00-0AA2	278655.-	3WT8085-6AA00-0AA2	383415.-
		EF	3WT8081-6UA30-0AA2	381755.-	3WT8085-6UA30-0AA2	486515.-
	1000	MF	3WT8101-6AA00-0AA2	284070.-	3WT8105-6AA00-0AA2	406175.-
		EF	3WT8101-6UA30-0AA2	387170.-	3WT8105-6UA30-0AA2	509275.-
	1250	MF	3WT8121-6AA00-0AA2	386390.-	3WT8125-6AA00-0AA2	456910.-
		EF	3WT8121-6UA30-0AA2	489490.-	3WT8125-6UA30-0AA2	560010.-
	1600	MF	3WT8161-6AA00-0AA2	394520.-	3WT8165-6AA00-0AA2	489430.-
		EF	3WT8161-6UA30-0AA2	497620.-	3WT8165-6UA30-0AA2	592530.-
II	2000	MF	3WT8202-6AA00-0AA2	443695.-	3WT8206-6AA00-0AA2	636930.-
		EF	3WT8202-6UA30-0AA2	546795.-	3WT8206-6UA30-0AA2	740030.-
	2500	MF	3WT8252-6AA00-0AA2	500830.-	3WT8256-6AA00-0AA2	747805.-
		EF	3WT8252-6UA30-0AA2	603930.-	3WT8256-6UA30-0AA2	850905.-
	3200	MF	3WT8322-6AA00-0AA2	762550.-	3WT8326-6AA00-0AA2	939125.-
		EF	3WT8322-6UA30-0AA2	865650.-	3WT8326-6UA30-0AA2	1042225.-

Microprocessor based Trip Units

ETU35WT: LSI + Display

5

Reduce

1070.-

5

Reduce

1070.-

For Non-Automatic ACBs please deduct ₹ 2430/- from the LPs of the ACBs marked ●. For type nos. of Non-Automatic ACBs please contact your nearest Siemens Sales Office

L: Overload protection S: Delayed Short Circuit protection

I: Short circuit protection

G: Ground fault protection¹⁾

N: Neutral protection¹⁾

Standard accessories included for electrical ACB (EDO/EF) = Motor operated mechanism, with mechanical and electrical closing, motor and closing solenoid of 220-240V AC/DC and shunt release of 220-240V AC/DC.

¹⁾ Current transformer for N-conductor shall be ordered separately for 3P ACB with Earth Fault and Neutral Conductor Protection.

²⁾ Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, sealing cap over Off button, door sealing frame, trip unit transparent cover, trip signaling contact, ready to close signaling contact, auxiliary contacts 2NO+ 2NC

³⁾ Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame, trip unit transparent cover, trip signaling contact, ready to close signaling contact, auxiliary contacts 2NO+2NC

Note: Please contact your nearest Siemens Sales Office for information on prices of 4000A ACB.

Std. Pkg. = 1 unit

* LP - List Price

3WT^{Plus} Accessories

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Motorized Operating Mechanism with Electrical closing	110-127	110-125	3WT9831-1JH00	110635.-
	220-240	220-250	3WT9831-1JK00	110635.-
Shunt Release or Closing Coil Suitable for continuous operation	–	24	3WT9851-1JB00	9475.-
	110-127	110-125	3WT9851-1JH00	9475.-
	220-240	220-250	3WT9851-1JK00	9475.-
Under Voltage Release Instantaneous	110-127	110-125	3WT9853-1JH00	9845.-
	208-240	220-250	3WT9853-1JK00	9845.-
	380-415	–	3WT9853-1JM00	9845.-
Auxiliary Terminal Block	Fixed circuit breaker		3WT9825-1JC00	6925.-
	Drawout circuit breaker		3WT9827-1JA00	6925.-
Auxiliary Switch Block	2 Change over		3WT9816-1CE00	5295.-
Position Signal Switch for Withdrawable Breaker	3NO+3NC, 2NO+2NC, 1NO+1NC		3WT9884-1JC10	21415.-
5 digit operating cycle counter			3WT9864-0CA00	17880.-
Blocking Device for preventing opening of cubicle door in service position: for Withdrawable Breaker			3WT9867-1JC00	16620.-
Blocking Device for preventing opening of cubicle door in ON position: for Fixed Breaker			3WT9867-2JA00	16620.-
Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker)			3WT9863-6JE00	15340.-
Castell Lock			3WX3663-6JEL_#	6545.-
Door Sealing Frame (Also suitable for 3WL ACB)			3WX3686-0JA00	4170.-
External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection)	Size I		3WL9111-0AA21-0AA0	34915.-
	Size II		3WL9111-0AA22-0AA0	42450.-
External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection)	Size I		3WL9111-0AA31-0AA0	38325.-
	Size II		3WL9111-0AA32-0AA0	43985.-

Types of castell locks shall be of type A, B, C, D, AB, AC; _ to be replaced by the type no.
For fitment of motor/ shunt/ closing coil/ UV release/ addl. auxiliary contacts please order necessary Auxiliary terminal blocks as per circuit diagram.

Add-on options (Factory fitted)

Description	Unit LP* ₹
MODBUS RTU communication module	POR
Metering function with integrated Voltage tap	
Arc chute cover	
Phase barriers	

Retrofit solution

Description	Unit LP* ₹
Ready to fit kit for upgrading from our old or other make conventional Air Circuit Breaker to modern SENTRON range of ACBs. - Minimum Shut Down Time - No change in the existing panel except door cut out - No change in the existing panel bus-bars - Proven Siemens Design - No over heating - Cost Effective & Quality Solution	Upon enquiry

For more details write to us at: ics.india@siemens.com • Toll Free No: 1800220987/18002090987

SENTRON Powerconfig

Parameterization and commissioning of LV power distribution

Parameterization

- Network scan
- Online / Offline comparison
- Reading in the device parameters



Diagnosis

- Measured value recording
- Communication test
- Device diagnosis



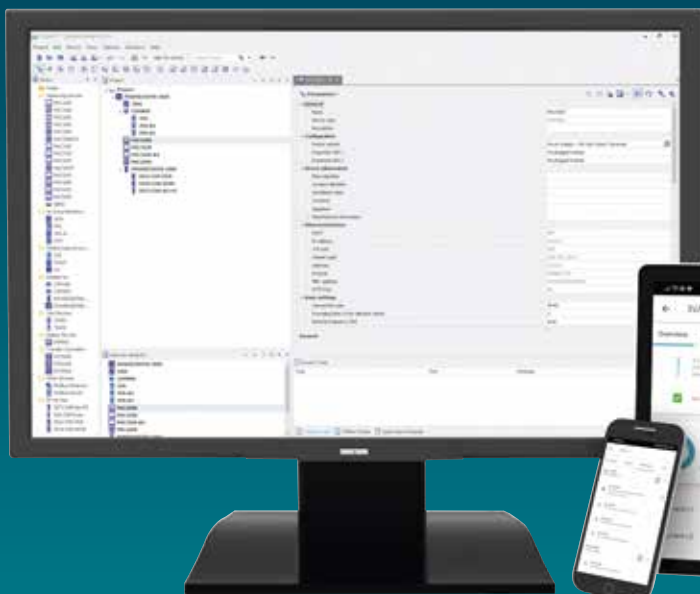
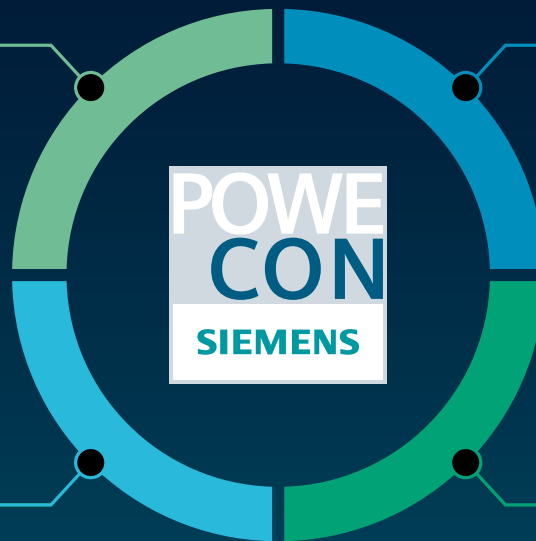
Service

- Firmware update
- Function upgrade



Documentation

- Project file
- Documentation export
- Device template



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3WJ air circuit breakers

Powering infrastructures across the globe

- Conforms to IEC 60947-2
- Rated current - 800A to 4000A
- Mechanical contact erosion indicator
- $I_{cu} = I_{cs} = I_{cw(1s)}$ for complete range
- Integrated LCD display and online test facility
- Breaking capacity upto 55 kA
- Ready to close mechanism for safe operation



Reliable



Safe



Comprehensive



Efficient



Adaptable



Customizable

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