



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.

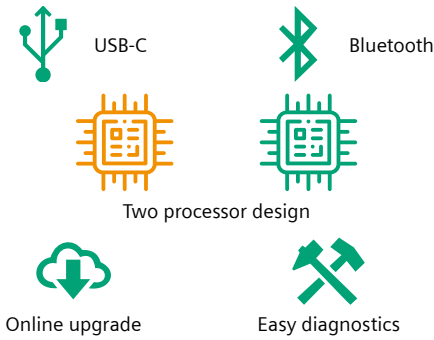
Welcome to the future of digital power distribution.

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

SIEMENS

ACB: SENTRON 3WA NEW

- 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
I	630	3WA1106....
	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 S: Delayed Short Circuit protection I: Short circuit protection
 G: Ground fault protection N: Neutral protection

- 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)

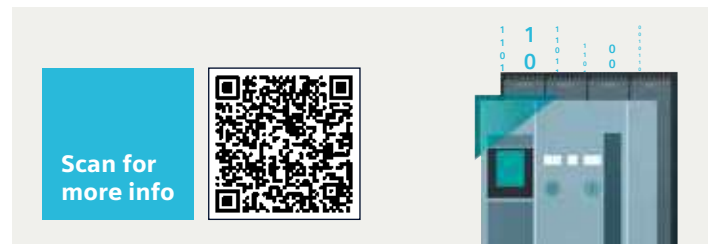
Description
Door Interlock
Position Signal Switch for Withdrawable Breaker
Castell lock mounting kit [#]
Mutual Mechanical Interlocking (Bowden wire)
PROFINET / MODBUS TCP Communication module

Castell locks are to be ordered separately.

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

Motorised Mechanism
208-240VAC, 220Vdc motor, closing coil & Shunt trip coil
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
Shunt Release or Closing Coil Suitable for continuous operation	-	24	3WA9111-0AD02
	110	110	3WA9111-0AD05
	230	220	3WA9111-0AD06
Under Voltage Release (Instantaneous)	380-415	-	3WA9111-0AE07
Motorised Operating Mechanism	-	24-30	3WA9111-0AF02
	110-127	110-125	3WA9111-0AF05
	208-240	220-250	3WA9111-0AF06
Castell Lock	-	-	3WX3663-6JEL_ ^{\$}

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
I	630	3WL1106....
	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

Add-on options (Factory fitted)

Microprocessor based Release
For ground fault protection
Protection function LSIN with Current display
Protection function LSING with Current display

For prices of breakers with other types of microprocessor based tri contact your nearest Siemens Sales Office

Motorised Mechanism
208-240VAC, 220Vdc motor, closing coil & Shunt trip coil
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/IF) = 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
Shunt Release or Closing Coil Suitable for continuous operation	-	24	3WA9111-0AD02
	110	110	3WA9111-0AD05
	230	220	3WA9111-0AD06
Under Voltage Release (Instantaneous)	380-415	-	3WA9111-0AE07
Motorised Operating Mechanism	-	24-30	3WA9111-0AF02
	110-127	110-125	3WA9111-0AF05
	208-240	220-250	3WA9111-0AF06
Auxiliary Switch Block	2NO+2NC		3WL9111-0AG01-0AA0
Castell Lock	-	-	3WX3663-6JEL_ ^s

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

Note: Std. Pkg. = 1 unit

Add-on options (Factory fitted)

Description
Spring Charge Signal Switch
Door Interlock
Position Signal Switch for Withdrawable Breaker
Castell lock mounting kit*
Mutual Mechanical Interlocking (Bowden wire)
Metering function Plus (voltage transformer must be ordered separately)
Profibus communication connection (COM15 + BSS)
Modbus communication connection (COM16 + BSS)
Modbus TCP/PROFINET communication connection (COM35 + BSS) NEW

ACB for 1000/1150 V AC operation and DC application available on request



SENTRON 3WT^{Plus} Air Circuit Breakers

Powering smart installations

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



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ACB: 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	4 Pole
I	630	MDO	3WT8061-6AA04-5AB2	3WT8065-6AA04-5AB2
		EDO	3WT8061-6UA34-5AB2	3WT8065-6UA34-5AB2
	800	MDO	3WT8081-6AA04-5AB2	3WT8085-6AA04-5AB2
		EDO	3WT8081-6UA34-5AB2	3WT8085-6UA34-5AB2
	1000	MDO	3WT8101-6AA04-5AB2	3WT8105-6AA04-5AB2
		EDO	3WT8101-6UA34-5AB2	3WT8105-6UA34-5AB2
1250	MDO	3WT8121-6AA04-5AB2	3WT8125-6AA04-5AB2	
	EDO	3WT8121-6UA34-5AB2	3WT8125-6UA34-5AB2	
II	1600	MDO	3WT8161-6AA04-5AB2	3WT8165-6AA04-5AB2
		EDO	3WT8161-6UA34-5AB2	3WT8165-6UA34-5AB2
	2000	MDO	3WT8202-6AA04-5AB2	3WT8206-6AA04-5AB2
		EDO	3WT8202-6UA34-5AB2	3WT8206-6UA34-5AB2
	2500	MDO	3WT8252-6AA04-5AB2	3WT8256-6AA04-5AB2
		EDO	3WT8252-6UA34-5AB2	3WT8256-6UA34-5AB2
3200	MDO	3WT8322-6AA04-5AB2	3WT8326-6AA04-5AB2	
	EDO	3WT8322-6UA34-5AB2	3WT8326-6UA34-5AB2	

Microprocessor based Trip Units

ETU35WT: LSI + Display



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Reduce

1235.-



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Reduce

1235.-

Microprocessor based trip unit ETU37WT: LSING¹⁾ + Display

Frame Size	Rated current In (A)		Fixed Mounted design ³⁾	
			3 Pole	4 Pole
I	630	MF	3WT8061-6AA00-0AA2	3WT8065-6AA00-0AA2
		EF	3WT8061-6UA30-0AA2	3WT8065-6UA30-0AA2
	800	MF	3WT8081-6AA00-0AA2	3WT8085-6AA00-0AA2
		EF	3WT8081-6UA30-0AA2	3WT8085-6UA30-0AA2
	1000	MF	3WT8101-6AA00-0AA2	3WT8105-6AA00-0AA2
		EF	3WT8101-6UA30-0AA2	3WT8105-6UA30-0AA2
1250	MF	3WT8121-6AA00-0AA2	3WT8125-6AA00-0AA2	
	EF	3WT8121-6UA30-0AA2	3WT8125-6UA30-0AA2	
II	1600	MF	3WT8161-6AA00-0AA2	3WT8165-6AA00-0AA2
		EF	3WT8161-6UA30-0AA2	3WT8165-6UA30-0AA2
	2000	MF	3WT8202-6AA00-0AA2	3WT8206-6AA00-0AA2
		EF	3WT8202-6UA30-0AA2	3WT8206-6UA30-0AA2
	2500	MF	3WT8252-6AA00-0AA2	3WT8256-6AA00-0AA2
		EF	3WT8252-6UA30-0AA2	3WT8256-6UA30-0AA2
3200	MF	3WT8322-6AA00-0AA2	3WT8326-6AA00-0AA2	
	EF	3WT8322-6UA30-0AA2	3WT8326-6UA30-0AA2	

Microprocessor based Trip Units

ETU35WT: LSI + Display



5

Reduce



5

Reduce

For Non-Automatic ACBs please deduct ₹ 2810/- 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.

Additional LP for 690V AC ACB - ₹ 40785/-

Std. Pkg. = 1 unit

* LP - List Price

Circuit Breakers

3WT^{Plus} Accessories

Description	AC 50/60Hz V	DC V	Type
Motorized Operating Mechanism with Electrical closing	110-127	110-125	3WT9831-1JH00
	220-240	220-250	3WT9831-1JK00
Shunt Release or Closing Coil Suitable for continuous operation	–	24	3WT9851-1JB00
	110-127	110-125	3WT9851-1JH00
Under Voltage Release Instantaneous	220-240	220-250	3WT9851-1JK00
	110-127	110-125	3WT9853-1JH00
	208-240	220-250	3WT9853-1JK00
Auxiliary Terminal Block	380-415	–	3WT9853-1JM00
	Fixed circuit breaker		3WT9825-1JC00
	Drawout circuit breaker		3WT9827-1JA00
Auxiliary Switch Block	2 Change over		3WT9816-1CE00
Position Signal Switch for Withdrawable Breaker	3NO+3NC, 2NO+2NC, 1NO+1NC		3WT9884-1JC10
5 digit operating cycle counter			3WT9864-OCA00
Blocking Device for preventing opening of cubicle door in service position: for Withdrawable Breaker			3WT9867-1JC00
Blocking Device for preventing opening of cubicle door in ON position: for Fixed Breaker			3WT9867-2JA00
Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker)			3WT9863-6JE00
Castell Lock			3WX3663-6JEL_#
Door Sealing Frame (Also suitable for 3WL ACB)			3WX3686-0JA00
External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection)	Size I		3WL9111-0AA21-0AA0
	Size II		3WL9111-0AA22-0AA0
External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection)	Size I		3WL9111-0AA31-0AA0
	Size II		3WL9111-0AA32-0AA0

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. <ul style="list-style-type: none"> • 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

POR: Price On Request

Std. Pkg. = 1 unit

* LP - List Price



| 3WJ air circuit breakers

Powering infrastructures across the globe



Reliable



Safe



Comprehensive



Efficient



Adaptable



Customizable

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