

SIEMENS



Catalog
Extract
LV 38

Edition
10/2025

SENTRON

3WT1 Air Circuit Breakers up to 4000A

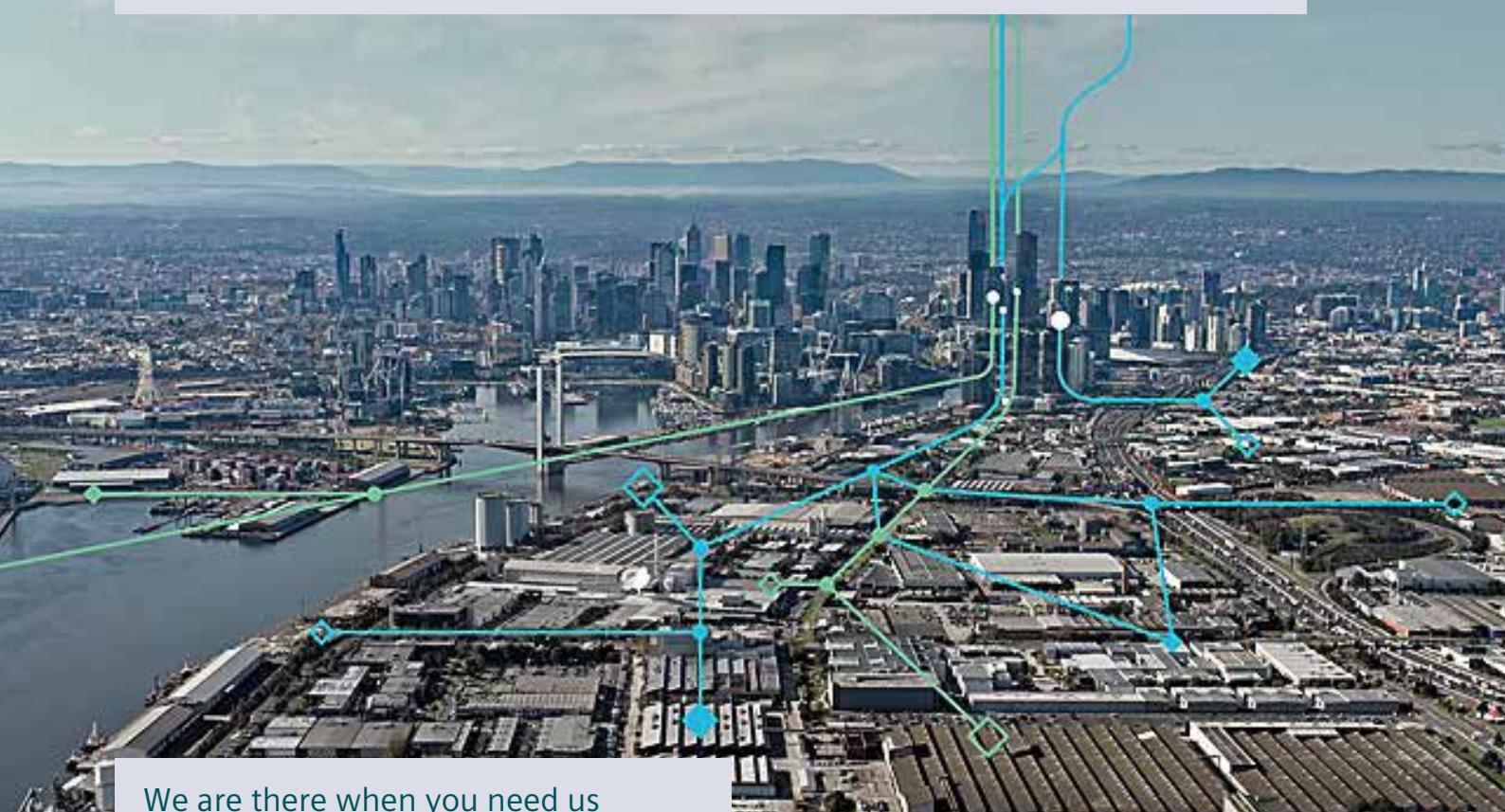
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Catalog LV 38 · 10/2025

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at www.siemens.com/lowvoltage/catalogs

You can find the current prices at
www.siemens.com/lowvoltage/mall



The products and systems described in this catalog are manufactured/distributed under application of a certified quality management system in accordance with EN ISO 9001 (for the Certified Registration Nos., see www.siemens.com/system-certificates/ep).

The certificate is recognized by all IQNet countries.

Technical specifications

The technical specifications are for general information purposes only. Always heed the operating instructions and notices on individual products during assembly, operation and maintenance.

All illustrations are not binding.

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3WT1 Air Circuit Breakers

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I

1

A

Sustainability@Siemens

Transforming the everyday to create a better tomorrow.



Siemens as a company takes an all-round view of environmental, social and governance criteria (ESG) with its DEGREE rulebook (decarbonization, ethics, governance, resource efficiency, equity and employability). Not only are we committed to reducing the carbon footprint in our own plants to net zero by 2030, but also to helping our customers achieve their decarbonization and sustainability objectives. The main areas in which smart infrastructure contributes to the DEGREE rulebook are decarbonization, resource efficiency and employability.

Mission & strategy

As a focused technology company, Siemens is committed to tackling the world's most profound challenges by leveraging the synergies of digitalization and sustainability.

Technology with a purpose

We develop technologies that interconnect the real world and the digital world and enable our customers to make positive changes to their industries, which form the backbone of our economy: industry, infrastructure, transportation and healthcare.

Our contribution

Siemens makes a difference every single day by providing innovative solutions for challenges in environmental protection, decarbonization, health and safety. Innovative solutions that have a clear purpose: to make the world more sustainable, more integrative and a better place to live.

Facts about sustainability

For almost 175 years, Siemens has been driven by the desire to improve the lives of people around the world with our technologies.

Further information at:
www.siemens.com/sustainability



Siemens EcoTech is an environment label for products that promotes the sustainable transformation of industry and infrastructure. The label offers transparency about the performance of our certified products in relation to criteria relevant to the environment so that you can make well-founded decisions in order to achieve your sustainability objectives:
www.siemens.com/SiemensEcoTech

The fast route to the product

Overview of configurable products for better understanding

Molded Case Circuit Breakers | 3VA51 – 3VA60

Structure of the article numbers

Basic configuration for line protection

The structure shown below is intended as an overview of each position and its meaning. For a complete and valid configuration of your molded case circuit breaker, please use our online configurator at www.siemens.com/lowvoltage/3va-ul-configurator.

3VA	4	5	6	7	8	9	10	11	12	13	AA0	
Trip units	Thermal-magnetic										AA0	
Size	125 A 150 A 250 A 300 A 600 A 800 A 1000 A 1200 A 1500 A 2000 A											
Max. rated currents I _n	15 A 25 A 35 A 40 A 50 A 63 A 70 A 80 A 90 A 100 A 110 A 125 A 135 A 175 A 200 A 225 A 250 A 300 A 350 A 400 A 500 A 600 A 800 A 900 A 1000 A 1200 A 1500 A 1600 A 1800 A 2000 A											
Short-circuit breaking capacity at 400 V 50/60 Hz	25 kA 40 kA 63 kA 100 kA 130 kA 200 kA											
* Available for breaking capacity M (125 A), N (150 A), C (1000 A) and L (150 A) at 400 V. Available for breaking capacity S (200 A) at 400 V.												
* Available * Not available present												
+ Neutral conductor protection for 4-pole breakers												
+ Neutral conductor protection with an external neutral conductor transformer or for 4-pole breakers												
Number of poles												
1-pole 2-pole 2-pole in a 3-pole enclosure 3-pole 4-pole												
Connection technology												
Without With screw terminals With terminal block												
Special applications												
Standard 100% rated breaker Only possible for 200 A Only possible for 400 A												

3VA 4 5 6 7 8 9 10 11 12 13 AA0

Protective function thermal-magnetic Line protection

Protective function thermal-magnetic, with neutral conductor protection Line protection Without neutral conductor protection 100% neutral conductor protection

Protective function electronic Line protection

Line protection with display

Line protection with display, with monitoring function

Notes:
 1 = Neutral conductor protection for 4-pole breakers
 2 = Neutral conductor protection with an external neutral conductor transformer or for 4-pole breakers
 3 = Only possible for 200 A
 4 = Only possible for 400 A

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System overview, pages 208 and 212

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2025

Configurable products

For products which are conveniently configurable online, the structure of the article numbers is clearly displayed. A link takes you directly to the configurator which permits complete and valid configuration.

Clickable article numbers

Direct forwarding to the individual products in the Industry Mall by clicking on the article number in the catalog

3VA9137-0EK11



or by entering this web address incl. article number
www.siemens.com/product_catalog_SIEP?Article No.

Clickable images

Direct forwarding to the individual motif types in the Industry image database by clicking on the images in the catalog



Industry image database:
www.siemens.com/lowvoltage/picturedb

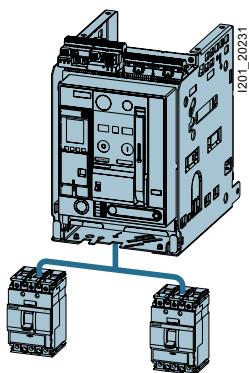
new Search function

Search for new products by entering "new" in the text field of the search function



Applications

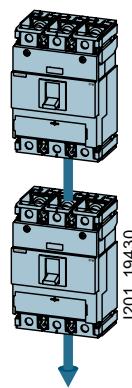
**Circuit breaker for line protection/
Inverse time circuit breaker for line protection
(CB, CCN code: DIVQ)**



The trip units are designed to provide overload and short-circuit protection for:

- Cables
- Leads
- Non-motor loads

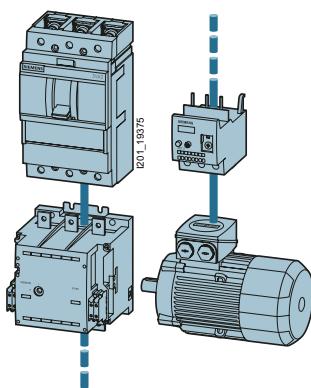
**Non-automatic circuit breaker/
Switch disconnector/Molded case switch
(MCS, CCN code: WJAZ)**



These moldable case switches can be used as feeder switches, main switches or non-automatic circuit breakers without overload protection.

They incorporate an integrated short-circuit self-protection system.

**Motor circuit protector/
Instantaneous trip circuit breaker/
Protective circuit breaker for motor starter
combinations (MCP, CCN-Code: DKPU2)**



Starter combinations consist of:

Motor circuit protector + contactor + overload relay

The motor circuit protector handles short-circuit protection and the isolating function. The task of the contactor is the operational switching of the feeder. The overload relay handles overload protection that can be specially matched to the motor.

The motor circuit protector is therefore equipped with an adjustable and instantaneous short-circuit release.

Reliable, Stable

With the increasing demand for decarbonization, electricity as an important form of energy has become increasingly important. The stability and reliability of the entire power distribution system have also become crucial. The 3WT air circuit breaker is developed based on Siemens' decades of experience in air circuit breakers, widely used in various industries. The high reliability and stability have been fully proven all over the world. The new ETU platform and advanced communication protocols provide customers with a digital and intelligent experience on their power distribution system.



Air Circuit Breakers

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A multitude of additional information ...

Information + ordering

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Everything you need for your order

Refer to SiePortal to find an overview of your products (product catalog)

- Air circuit breakers sie.ag/2IXiZjB

Direct forwarding to the individual products in SiePortal by clicking on the article number in the catalog or entering this web address incl. article number

www.siemens.com/product_catalog_SIEP?Article No.

Order supports can be found in SiePortal at
www.siemens.com/lowvoltage/product-support



Configurators

The configurator reduces the time and effort required in the planning and ordering process, and allows for individual adaptations. Configure your air circuit breaker at
www.siemens.com/lowvoltage/3wt1-configurator
www.siemens.com/lowvoltage/3wa-configurator



The fast track to the experts

Contact persons in your region

We offer a comprehensive portfolio of services.

You can find your local contacts at

www.siemens.com/lowvoltage/components/contact

You will find further information on services at

www.siemens.com/service-offers

Competent expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

Assistance with technical queries is provided at

www.siemens.com/support-request

... can be found in our online services

Commissioning + operation

SENTRON Powerconfig

The combined commissioning and service tool SENTRON Powerconfig for communication-capable measuring devices, circuit protection devices and circuit breakers.

Free download SENTRON Powerconfig
www.siemens.com/powerconfig

Free download SENTRON Powerconfig mobile via
[App Store](#) and [Play Store](#)

Your product in detail

The SiePortal platform (knowledge base) provides detailed technical information

www.siemens.com/lowvoltage/product-support

- Operating instructions
- Characteristic curves
- Certificates

Online Support app available for download from the
[App Store](#) and [Play Store](#)

Provision of 3D data (step and u3d data formats)

- SiePortal (product catalog)
www.siemens.com/lowvoltage/product-catalog
- Image database
www.siemens.com/lowvoltage/picturedb

Engineering data for CAD or CAE systems are available in the CAx Download Manager at
www.siemens.com/cax

Manuals

Manuals can be found in SiePortal at
www.siemens.com/lowvoltage/manuals

- Equipment Manual
 - 3WT1 air circuit breakers ([109820869](#))
- System Manual
 - 3WT1 air circuit breaker communication ([109963781](#))

Face-to-face or online training

Our training courses can be found at
www.siemens.com/sitrain-lowvoltage

- LV-3WT Basic (LV-3WT_BA)
- LV-3WT Advanced (LV-3WT_AD)
- Maintenance and operation of 3WT circuit breakers (LV-3WTMAIN)
- Maintenance and operation of 3WL circuit breakers (LV-3WLMAIN)
- Certification: Maintenance and operation of 3WL and 3WT circuit breakers (LV-CBCERT)
- 3WL and 3WT air circuit breakers protection technology and communication (LV-COPR)

Technical overview – Air circuit breakers

The fast way to get you to our online services

This page provides you with comprehensive information and links on air circuit breakers

[www.siemens.com/lowvoltage/product-support \(109781188\)](http://www.siemens.com/lowvoltage/product-support (109781188))



3WT1 Air Circuit Breakers up to 4000 A (AC)

General data

Benefits

Safety and reliability

- High degree of protection with door sealing frame in the case of exclusively local operation of the circuit breaker
- Infeed supply from above or below, as required
- Locking of the withdrawable circuit breaker against moving, as standard
- Locking of the guide frame with the circuit breaker removed, as standard
- Signaling switch for overload and short-circuit tripping with mechanical reclosing lockout
- High degree of protection with cover IP55
- Mechanical reclosing lockout after overload or short-circuit tripping as standard
- The circuit breaker is always equipped with the required number of auxiliary supply connectors

Easy to operate

- Unambiguous ON-OFF indicator with auxiliary switch for signal
- Ready-to-close indicator with signaling switch as safety standard

Modular

Many components, such as auxiliary releases, motorized operating mechanisms, electronic trip units and current transformers can be replaced or retrofitted to adapt the circuit breaker to changing requirements.

Minimal power loss and therefore low energy consumption

The low power consumption of the electrical components also saves money when it comes to purchasing the control-power transformers. Where space is at a premium or ventilation is limited.

Application

IEC 60947-2,
GB 14048.2,
CCC approval,
climate-proof to IEC 60068-2-30, IEC 60068-2-6, Fc

Operating conditions

The 3WT circuit breakers are climate-proof in accordance with IEC 60068-2-30, IEC 60068-2-6, Fc.

They are intended for use in enclosed areas where no severe operating conditions (e.g. dust, corrosive vapors, damaging gases) are present.

When installed in dusty or damp areas, suitable enclosures must be provided. If damaging gases (e.g. hydrogen sulfide) are present in the surrounding air, sufficient incoming fresh air must be supplied.

The permissible ambient temperatures and the associated rated currents are listed in the technical specifications.

Design

Versions

Breaking capacity 55/66/85 kA at 440 V/500 V/690 V/800 V

Rated current: from 400 A to 4000 A

Rated operating voltage: up to AC 800 V

The 3WT circuit breakers are supplied complete with an operating mechanism, electronic trip unit and auxiliary switches and are fitted with auxiliary releases.

The non-automatic circuit breakers are supplied without electronic trip unit

Standard version

- Electronic trip unit with LSI protection, LED status indicator, query and test function
- Auxiliary supply connector: The circuit breaker is equipped with the required number of connectors
- Mechanical ON and OFF pushbutton
- Tripped signaling switch (1 NO)
- Ready-to-close indicator with signaling switch
- Stored-energy indicator
- Auxiliary switches (2 NO + 2 NC)
- Rear horizontal main circuit connections for fixed-mounted and withdrawable versions
- For 4-pole circuit breakers, the fourth pole (N) is installed on the left and is 100% loadable
- Indication and reset button after tripping for
 - tripped signaling switch and
 - mechanical reclosing lockout
- ID-link for digit documentation

Additional features of the withdrawable version:

- Main contacts:
Laminated receptacles in the guide frame, penetration blades on the withdrawable circuit breaker
- Position indicator in the control panel of the withdrawable circuit breaker
- Guide frame with guide rails for easy moving of the withdrawable circuit breaker
- The withdrawable circuit breaker can be locked to prevent it being pushed out of position

Standard version for non-automatic circuit breaker

- Same features as the circuit breaker, see "Standard version" but no electronic trip unit

3WT1 circuit breakers and non-automatic circuit breakers for AC

IEC 60947-2



1

		3WT11				3WT12							
Basic data													
Rated operational voltage U_e at 50/60 Hz		V				Up to 690							
Size		1				Up to 800							
Rated current I_n at 50/60 Hz		A				400 ... 1600							
Type of mounting		Withdrawable		Fixed-mounted		Withdrawable		Fixed-mounted					
Number of poles		3/4-pole		3/4-pole		3/4-pole		3/4-pole					
Dimensions													
Width (3-pole 4-pole)		mm		320 410		300 390		420 540 ¹⁾					
Height		mm		483		461		483 503 ¹⁾					
Depth		mm		434		333		434					
Rated current I_n		A		400 ... 1600		630 ... 4000		2000 ... 4000					
Breaking capacity		N	S	M	H	S	M	H	C	P			
Rated short-circuit breaking capacity $I_{cu} I_{cs}$													
$I_{cu} I_{cs}$ at U_e up to 440 V AC		kA	- -	- -	66 66	- -	- -	85 85	- -	- -			
$I_{cu} I_{cs}$ at U_e up to 500 V AC		kA	55 55	66 66	- -	- -	66 66	- -	- -	- -			
$I_{cu} I_{cs}$ at U_e up to 690 V AC		kA	- -	- -	- -	50 50	- -	- -	50 50	66 66			
$I_{cu} I_{cs}$ at U_e up to 800 V AC		kA	- -	- -	- -	- -	- -	- -	- -	66 66			
Rated short-circuit making capacity I_{cm}													
I_{cm} at U_e up to 440 V AC		kA	-	-	145	-	-	187	-	-			
I_{cm} at U_e up to 500 V AC		kA	121	145	-	-	145	-	-	-			
I_{cm} at U_e up to 690 V AC		kA	-	-	-	105	-	-	105	145			
I_{cm} at U_e up to 800 V AC		kA	-	-	-	-	-	-	-	145			
Rated short-time withstand current I_{cw}													
I_{cw} at U_e up to 440 V AC		0.5 s	kA	-	-	66	-	-	85	-			
		1 s	kA	-	-	66	-	-	85	-			
		2 s	kA	-	-	30	-	-	55	-			
		3 s	kA	-	-	25	-	-	50	-			
I_{cw} at U_e up to 500 V AC		0.5 s	kA	50	50	-	-	66	-	-			
		1 s	kA	35	50	-	-	66	-	-			
		2 s	kA	25	30	-	-	55	-	-			
		3 s	kA	20	25	-	-	50	-	-			
I_{cw} at U_e up to 690 V AC		0.5 s	kA	-	-	-	50	-	50	66			
		1 s	kA	-	-	-	50	-	50	66			
		2 s	kA	-	-	-	30	-	50	55			
		3 s	kA	-	-	-	25	-	50	50			
I_{cw} at U_e up to 800 V AC		0.5 s	kA	-	-	-	-	-	-	66			
		1 s	kA	-	-	-	-	-	-	66			
		2 s	kA	-	-	-	-	-	-	55			
		3 s	kA	-	-	-	-	-	-	50			
Rated conditional short-circuit current I_{cc} of the non-automatic air circuit breakers													
I_{cc} at U_e up to 440 V AC		kA	-	-	66	-	-	85	-	-			
I_{cc} at U_e up to 500 V AC		kA	50	50	-	-	66	-	-	-			
I_{cc} at U_e up to 690 V AC		kA	-	-	-	50	-	-	50	66			
I_{cc} at U_e up to 800 V AC		kA	-	-	-	-	-	-	-	66			

¹⁾ For C/P class, 3200A & 4000A

3WT1 circuit breakers and non-automatic circuit breakers for AC

IEC 60947-2

1

3WT11



Rated current I_n	400 A	630 A	800 A	1000 A	1250 A	1600 A
General data						
Isolating function acc. to EN 60947-2						
Utilization category						
Permissible ambient temperature	Operation	°C				
	Storage	°C				
Service position						
Degree of protection	Circuit breaker IP20, when fitted in cabinet or frame Operator panel with door sealing frame IP41					
Voltage						
Rated operational voltage U_e at 50/60 Hz	V AC Up to 690					
Rated insulation voltage U_i	V AC 1000					
Rated impulse withstand voltage U_{imp}	Main conducting paths ²⁾	kV				
	Auxiliary circuits	kV				
Permissible load						
Permissible load for fixed-mounted and withdrawable circuit breakers at cabinet interior temperature ^{3) 4)}	Up to 50 °C ¹⁾	A	400	630	800	1000
	Up to 60 °C	A	400	630	800	960
	Up to 70 °C	A	400	600	700	800
Power loss at I_n						
With 3-phase symmetrical load (without line-side busbars and metal components) ⁴⁾	Fixed-mounted circuit breaker	W	25	40	60	90
	Withdrawable circuit breaker including guide frame	W	50	80	130	205
Switching times						
	Closing time	ms	≤ 70	≤ 70	≤ 70	≤ 70
	Opening time	ms	≤ 25	≤ 25	≤ 25	≤ 25
Service life/endurance						
Breaking capacity N, S, M, H, C, P, 3/4-poles						
Mechanical	Without maintenance	Operating cycles	10000	10000	10000	10000
	With maintenance ⁵⁾	Operating cycles	20000	20000	20000	20000
Electrical up to 440 V AC ⁶⁾	Without maintenance	Operating cycles	10000	10000	10000	10000
	With maintenance ⁵⁾	Operating cycles	12000	12000	12000	12000
Electrical up to 500 V AC ⁶⁾	Without maintenance	Operating cycles	6000	6000	6000	6000
	With maintenance ⁵⁾	Operating cycles	12000	12000	12000	12000
Electrical up to 690 V AC ⁶⁾	Without maintenance	Operating cycles	6000	6000	6000	6000
	With maintenance ⁵⁾	Operating cycles	12000	12000	12000	12000
Electrical up to 800 V AC ⁶⁾	Without maintenance	Operating cycles	—	—	—	—
	With maintenance ⁵⁾	Operating cycles	—	—	—	—

¹⁾ At 3WT 4000 A 40 °C for drawout circuit breaker²⁾ Rated insulation voltage $U_i = 1000$ V AC³⁾ The temperatures apply to the air surrounding the upper third of the circuit breaker.⁴⁾ These values apply in the case of sinusoidal current (50/60 Hz). The heating/losses increase in the event of harmonics and higher frequencies.⁵⁾ Maintenance: replacement of the contact set and arc chute⁶⁾ Per contact set. Disconnect. of the rated current I_n and power factor = 0.8⁷⁾ 4P 12000

3WT12



630 A	800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A	4000 A	Fixed-mounted	Withdrawable
Yes										
B										
-20 ... +70										
-40 ... +80										
Circuit breaker IP20, when fitted in cabinet or frame Operator panel with door sealing frame IP41										
Up to 800										
1000										
12										
4										
630	800	1000	1250	1600	2000	2500	3200	4000	4000	
630	800	1000	1250	1600	1950	2150	2900	4000	3549	
630	800	1000	1250	1600	1800	1950	2700	3870	3306	
20	30	45	70	110	170	325	420	720	—	
40	60	90	140	225	310	535	760	—	960	
≤ 70	≤ 70	≤ 70	≤ 70	≤ 70	≤ 70	≤ 70	≤ 70	≤ 70	≤ 70	
≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	≤ 25	
10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	
20000	20000	20000	20000	20000	20000	20000	20000	20000 ⁷⁾	20000 ⁷⁾	20000 ⁷⁾
6000	6000	6000	6000	6000	6000	6000	4000	3000	3000	
12000	12000	12000	12000	12000	12000	12000	10000	6000	6000	
6000	6000	6000	6000	6000	6000	6000	4000	2000	2000	
12000	12000	12000	12000	12000	12000	12000	10000	4000	4000	
6000	6000	6000	6000	6000	6000	6000	4000	2000	2000	
12000	12000	12000	12000	12000	12000	12000	10000	4000	4000	
2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	
4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	

3WT1 circuit breakers and non-automatic circuit breakers for AC

IEC 60947-2 (continued)

1

3WT11



Rated current I_n	400 A	630 A	800 A	1000 A	1250 A	1600 A
Switching frequency						
Mechanical	1/h	60	60	60	60	60
Electrical up to 690 V AC	1/h	60	60	60	60	60
Electrical up to 800 V AC	1/h					
Connection						
Main conductor minimum cross-sections	Copper bars, bare	Qty. mm ²	1 × 50 × 10	1 × 50 × 10	1 × 60 × 10	2 × 40 × 10
	Copper bars, painted black	Qty. mm ²	1 × 40 × 10	1 × 40 × 10	1 × 50 × 10	2 × 40 × 10
Auxiliary conductors (Cu)						
Solid and finely stranded with end sleeves					1 × 0.5 ... 2.5 mm ² ; 1 × AWF 14	
Max. number of auxiliary conductors × cross-section					2 × 1.0 mm ²	
Weights						
3-pole	Fixed-mounted circuit breaker	approx. kg	34	34	34	34
	Withdrawable circuit breaker	approx. kg	36	36	36	36
	Guide frame	approx. kg	22	22	22	22
4-pole	Fixed-mounted circuit breaker	approx. kg	47	47	47	47
	Withdrawable circuit breaker	approx. kg	49	49	49	49
	Guide frame	approx. kg	27	27	27	27
						28

3WT12



630 A	800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A	4000 A			
								Fixed-mounted	Withdrawable		
60	60	60	60	60	60	60	60	60	60		
20	20	20	20	20	20	20	20	10	10		
20	20	20	20	20	20	20	20	10	10		
1 × 50 × 10	1 × 60 × 10	2 × 40 × 10	2 × 60 × 10	2 × 60 × 10	2 × 100 × 10	3 × 100 × 10	3 × 100 × 10	4 × 120 × 10			
1 × 40 × 10	1 × 50 × 10	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10	2 × 80 × 10	2 × 100 × 10	3 × 100 × 10	4 × 120 × 10			
1 × 0.5 ... 2.5 mm ² ; 1 × AWF 14											
2 × 1.0 mm ²											
57	57	57	57	57	57	57	61	85 ¹⁾	—		
59	59	59	59	59	59	59	63	—	64		
35	35	35	35	35	35	35	37	—	55 ¹⁾		
70	70	70	70	70	70	70	74	107 ¹⁾	—		
72	72	72	72	72	72	72	76	—	77		
46	46	46	46	46	46	46	48	—	69 ¹⁾		

¹⁾ Including vertical busbars

Electronic trip unit

Differentiation

1



Function	Electronic trip unit ETU300WT	Electronic trip unit ETU400WT	Electronic trip unit ETU500WT
Protective function LSI	■	■	■
Protective function LSIG	■	■	■
Neutral conductor protection (N)	■	■	■
Measuring function	—	—	■
Enhanced Protective functions	—	—	■
CubicleBUS ²	—	—	■
Display	—	■	■
DAS+ input/output	—	■	—
LED display of reason for tripping	■	— ¹⁾	■
Bluetooth	—	—	■
USB	—	■ ²⁾	■
Firmware Updates	—	—	■
Internal self-test with and without tripping	■	■	■
Extended test option (tripping characteristic)	—	—	■
Activation of the ETU via powerbank	—	■	■
Activation of the ETU for self-test via TD400	■	—	—

¹⁾ The tripping reason can be readable by LCD display.

²⁾ USB only used for power supply.

Note:

It's possible to upgrade from ETU300WT to ETU400WT, ETU300WT to ETU500WT, ETU400WT to ETU500WT.

ETU300WT electronic trip unit¹⁾

Protective functions

ETU300WT LSI, ETU300WT LSIG

Protective function	Setting range and invariable parameters	Values
L: Overload protection LT		
Tripping	Switched on	
Current setting I_r	$0.4 \dots 1.0 \times I_n$	$0.4/0.5/0.6/0.7/0.75/0.8/0.85/0.9/0.95/1.0 \times I_n$
Tripping time t_r at $6 \times I_r$	$0.75 \dots 25 \text{ s}$	$0.75/1/2/5/8/10/14/17/21/25 \text{ s}$
Characteristic LT curve	I^2t	
Thermal memory	Switched on	
Cooling time constant	$18 \times t_r$	
Phase failure detection	Switched on	
L: Overload protection LT, neutral conductor		
Tripping	Switched on	
Current setting I_N	$1.0 \times I_n$	
S: Short-time-delayed short-circuit protection ST		
Tripping	Can be switched on/off	
Current setting I_{sd}	$1.5 \dots 10 \times I_n$ max. $0.8 \times I_{cw}^{1)}$	$OFF/1.5/2/2.5/3/4/5/6/8/10 \times I_r$ max. $0.8 \times I_{cw}^{1)}$
Tripping time t_{sd}	$0.08 \dots 0.4 \text{ s}$	$0.08/0.15/0.22/0.3/0.4 \text{ s}$
Characteristic ST curve	I^0t and I^2t	
Reference point I_{ST_ref}	$8 \times I_r$	
I: Instantaneous short-circuit protection INST		
Tripping	Switched on	
Current setting I_i	$1.5 \dots 15 \times I_n$ max. $0.8 \times I_{cs}^{1)}$	$1.5/2/3/4/5/6/8/10/12/15 \times I_n$ max. $0.8 \times I_{cs}^{1)}$

ETU300WT LSIG

Protective function	Setting range
G: Ground-fault protection GF	
Tripping	Switched on
Method of ground fault detection	Residual
Characteristic GF curve	
Current setting I_g	
Tripping time t_g	0.2 s

¹⁾ The setting value is limited as a function of the breaking capacity at rated operational voltage U_e .

ETU400WT electronic trip unit

Protective functions

ETU400WT LSI, ETU400WT LSIG

Protective function	Setting range and invariable parameters	Values
L: Overload protection LT		
Tripping	Can be switched on/off	
Current setting I_r	0.4 ... 1.0 $\times I_n$	
Tripping time t_r at $6 \times I_r$	0.5 ... 30 s	
Characteristic LT curve	I^2t	
Thermal memory	Can be switched on/off	
Cooling time constant	10 and $18 \times t_r$	
Phase failure detection	Can be switched on/off	
Overload pre-alarm PAL	Can be switched on/off	
Current setting I_{r_PAL}	0.7 ... 1.0 $\times I_r$	
Delay time t_{r_PAL}	0.5 ... 1.0 $\times t_r$	
L: Overload protection LT, neutral conductor		
Tripping	Can be switched on/off	
Current setting I_N	0.2 ... 1.0 $\times I_n$	
Current setting I_{N_PAL}	0.7 ... 1.0 $\times I_N$	
S: Short-time-delayed short-circuit protection ST		
Tripping	Can be switched on/off	
Current setting I_{sd}	$0.6 \times I_n \dots 0.8 \times I_{cw}^{(1)}$	
Tripping time t_{sd}	0.02 ... 0.4 s	
Characteristic ST curve	I^2t and I^2t	
Reference point I_{ST_ref}	$8 \times I_r$	
I: Instantaneous short-circuit protection INST		
Tripping	Can be switched on/off	
Current setting I_i	$1.5 \times I_n \dots 0.8 \times I_{cs}^{(1)}$	
Maintenance mode DAS+		
Tripping	Can be switched on/off	
Current setting value I_{i_DAS+}	1.5 ... 10 $\times I_n$	
Current setting value I_{g_DAS+}	100 ... 1200 A	
Tripping time t_{g_DAS+}	0 ... 0.5 s	
Digital Input and output		
Function digital input of ETU	No function or for activating Maintenance mode Das+	
Function digital output of ETU	Usable as for no function or Ground-fault alarm or Pre-alarm or Maintenance mode DAS+ active	

ETU400WT LSIG

Protective function	Setting range	
G: Ground-fault protection GF		
Tripping	Can be switched on/off	
Method of ground fault detection	Residual	Detection of ground-fault current via summation current formation in all phases and the N conductor
Characteristic GF curve	I^2t and I^2t	
Current setting I_g	100 ... 1200 A	
Tripping time t_g	I^2t $0.1 \dots 0.5$ s	I^2t at $3 \times I_g$ $0.1 \dots 0.5$ s
G: Ground-fault Alarm		
Alarm	Can be switched on/off	
Current setting value I_{g_alarm} with option plug LSIG	100 ... 2000 A	
Alarm time t_{g_alarm}	0 ... 0.5 s	

⁽¹⁾ The setting value is limited as a function of the breaking capacity at rated operational voltage U_e .

ETU500WT electronic trip unit

Protective functions

			Current metering	ready4COM	MF-1 Energy efficiency	MF-2 Power Monitoring
ETU500WT LSI, ETU500WT LSIG						
Protective function	Variable setting range	Setting values with rotary switch				
L: Overload protection LT						
Tripping	Can be switched on/off		■	■	■	■
Current setting I_r	0.4 ... $1.0 \times I_n$ $0.95/1.0 \times I_n$	0.5/0.6/0.7/0.75/0.8/0.85/0.9/	■	■	■	■
Tripping time t_r at $6 \times I_r$	At I^2t : 0.5 ... 30 s	1/2/5/8/10/14/17/21/25 s	■	■	■	■
Characteristic LT curve	I^2t		■	■	■	■
Thermal memory	Can be switched on/off		■	■	■	■
Cooling time constant	10 and 18 $\times t_r$		■	■	■	■
Phase failure detection	Can be switched on/off		■	■	■	■
Overload pre-alarm PAL	Can be switched on/off		■	■	■	■
Current setting I_{r_PAL}	0.7 ... $1.0 \times I_r$		■	■	■	■
Delay time t_{r_PAL}	0.5 ... $1.0 \times t_r$		■	■	■	■
L: Overload protection LT, neutral conductor						
Tripping	Can be switched on/off		■	■	■	■
Current setting I_N	0.2 ... $2.0 \times I_n$ for 4-pole circuit breakers max. I_{n_max}		■	■	■	■
Current setting I_{N_PAL}	0.7 ... $1.0 \times I_N$		■	■	■	■
S: Short-time-delayed short-circuit protection ST						
Tripping	Can be switched on/off		■	■	■	■
Current setting I_{sd}	0.6 $\times I_n$... $0.8 \times I_{cw}$ max. $0.8 \times I_{cw}$ ¹⁾	1.5/2/2.5/3/4/5/6/8/10 $\times I_r$ max. $0.8 \times I_{cw}$ ¹⁾	■	■	■	■
Tripping time t_{sd}	0.02 ... 0.4 s	At Fix: 0.08/0.15/0.22/0.3/0.4 s At I^2t : 0.1/0.2/0.3/0.4 s	■	■	■	■
Characteristic ST curve	I^0t and I^2t		■	■	■	■
Reference point I_{ST_ref}	$6\text{--}12 \times I_r$		■	■	■	■
Intermittent detection	Can be switched on/off		■	■	■	■
I: Instantaneous short-circuit protection INST						
Tripping	Can be switched on/off		■	■	■	■
Current setting I_i	1.5 $\times I_n$... $0.8 \times I_{cs}$ max. $0.8 \times I_{cs}$ ¹⁾	1.5/2/3/4/6/8/10/12/15 $\times I_n$ max. $0.8 \times I_{cs}$ ¹⁾	■	■	■	■
Enhanced Protective functions EPF						
Undervoltage and overvoltage			□	□	□	■

■ Available, feature of the application package
□ Can be retrofitted

¹⁾ The setting value is limited as a function of the breaking capacity at the set rated voltage.

			Current metering	ready4COM	MF-1 Energy efficiency	MF-2 Power Monitoring
ETU500WT LSIG						
Protective function	Variable setting range	Setting values with rotary switch				
G: Ground fault GF						
Tripping	Can be switched on/off		■	■	■	■
Method of ground fault detection	Residual	Detection of ground-fault current via summation current formation in all phases and the N conductor	■	■	■	■
	Direct	Direct metering of the ground-fault current with a current transformer	■	■	■	■
Characteristic GF curve with LSIG GF option plug		I^0t/I^2t	■	■	■	■
Current setting I_g with LSIG GF option plug	Detection method Residual	100 ... 1200 A	■	■	■	■
	Detection method Direct	15 ... 1200 A	■	■	■	■
Tripping time t_g	I^0t	0 ... 5 s	■	■	■	■
	I^2t at $3 \times I_g$	0 ... 30 s	■	■	■	■
Intermittent detection	Can be switched on/off		■	■	■	■

■ Available, feature of the application package

ETU500WT electronic trip unit

Operation, interfaces and measurement function

1

ETU500WT	Current metering	ready4COM	MF-1 Energy efficiency	MF-2 Power Monitoring	Non-automatic air circuit breakers
Operation and interfaces					
Rotary switch	■	■	■	■	—
Display and operating keys	■	■	■	■	—
SENTRON Powerconfig configuration software	■	■	■	■	—
Fieldbus communication	■	■	■	■	—
Color display	■	■	■	■	—
Bluetooth ¹⁾ and USB interface	■	■	■	■	—
Communication					
Prepared for connection of a communications module (ready4COM feature)	Status messages of the circuit breaker ETU500WT	□	■	■	■
	Status messages of the electronic trip unit ETU500WT	□	■	■	—
	Remote operation, requires a communications module, closing coil, shunt trip	□	■	■	□
Communications module	□	□	□	□	□
Digital output on the electronic trip unit ETU500WT					
Parameterizable output	Can be used as a "life contact"	■	■	■	—

¹⁾ A country-specific radio license is required to operate the Bluetooth interface.

Before activating the Bluetooth function, ensure that the license is available:

www.siemens.com/lowvoltage/certificates

— Not available

■ Available, feature of the application package

□ Can be retrofitted

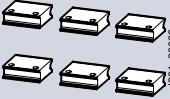
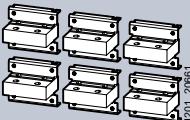
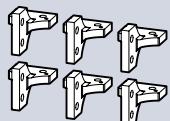
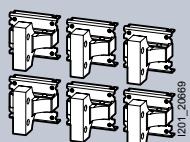
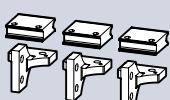
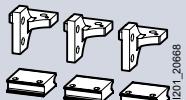
		Current metering	ready4COM	MF-1 Energy efficiency	MF-2 Power Monitoring
ETU500WT					
Measurement function					
Integrated voltage tap at bottom		–	–	■	■
Voltage tap module VTM		–	–	■	■
Type	MF-I	–	–	■	■
	MF-II	–	–	–	■
Metering values					
Temperature		–	■	■	■
Accuracy according to manufacturer's specifications					
Phase current I_{L1}, I_{L2}, I_{L3}	1%	■	■	■	■
Neutral conductor current I_N	1%	■	■	■	■
Voltage U_{LN}	0.5%	–	–	■	■
Voltage U_{LL}	0.5%	–	–	■	■
Active energy E_a	2%	–	–	■	■
Active power P	2%	–	–	–	■
Ground-fault current I_g with ETU500WT LSI	2%	–	–	–	■
Ground-fault current I_g with ETU500WT LSIG	2%	■	■	■	■
Reactive energy E_r	2%	–	–	–	■
Apparent energy E_{ap}	2%	–	–	–	■
Reactive power Q	2%	–	–	–	■
Apparent power S	2%	–	–	–	■
Power factor PF	6%	–	–	–	■
$\cos \varphi$	6%	–	–	–	■
Frequency f	0.5%	–	–	–	■
Current unbalance	2.5%	–	–	–	■
Voltage unbalance	1.5%	–	–	–	■

■ Available, feature of the application package

– Not available

Connection

Main circuit connection

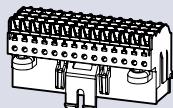
3WT1	
Fixed-mounted	Withdrawable
 Rear horizontal	 Rear horizontal
 Rear vertical	 Rear vertical
 Horizontal on top, vertical at the bottom	 Vertical on top, horizontal at the bottom
 Front connection with double hole	 Front connection with double hole

Secondary disconnect terminal

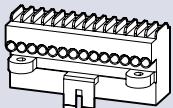
The auxiliary and control cables are connected at the manual connectors using the push-in technology of the auxiliary conductor connections of the circuit breaker.

Coding pins on the manual connectors prevent them being inserted in the wrong slots.

Up to 4 secondary disconnect terminal blocks are possible.

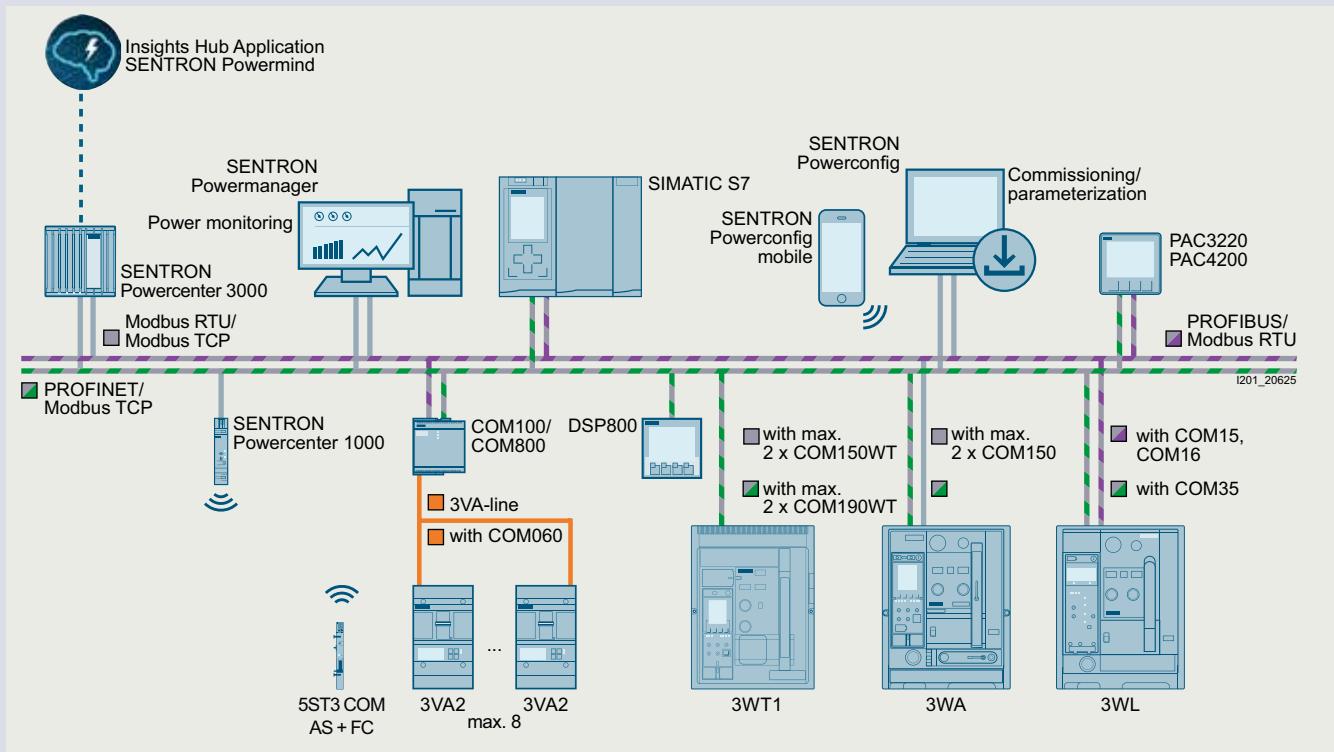


Screwless connection (optional)



Screw connection (standard)

Communication



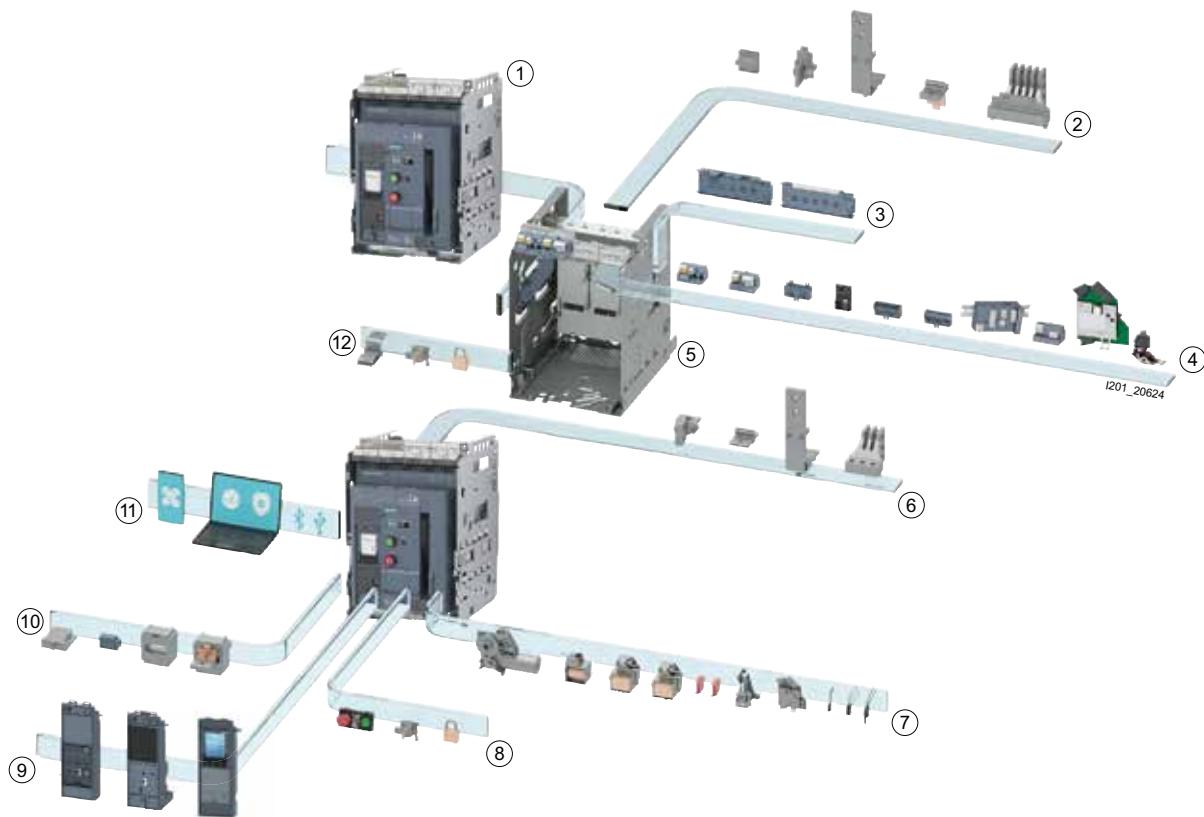
The 3WT1 can be equipped with up to two PROFINET IO/Modbus TCP COM190WT communications modules or Modbus RTU COM150WT.

For the optional communications interface with the COM190WT or COM150WT communications module, a circuit breaker with the "ready4COM" feature must be selected as the circuit breaker/non-automatic air circuit breaker. The first COM190WT or COM150WT communications module must be selected via a Z option. If you want to use a further COM190WT or COM150WT communications module, this must be ordered separately as an accessory. Both COM190WT or COM150WT communications modules can be run in parallel.

System overview 3WT1

Circuit breakers and non-automatic circuit breakers for AC

1



- ① Interlocking solutions with Bowden cable
- ② Main connection variants for guide frame
- ③ Position signaling switch (PSS) for the guide frame
- ④ Interfaces/COM-modules/Aux. terminals
- ⑤ Guide frame with shutter
- ⑥ Main connection variants for fixed-mounted version

- ⑦ Internal accessories:
aux. release, spring charging motor, aux. contacts
- ⑧ Locking solutions for fixed-mounted version
- ⑨ ETU300WT, ETU400WT and ETU500WT
- ⑩ Accessory for the ETU
- ⑪ Digital function packages can be activated for the ETU
- ⑫ Interlocking solutions for withdrawable version

Online configurator highlights

www.siemens.com/lowvoltage/3wt1-configurator

1

Graphical display

- Integration of the legend as a color system
 - Orange: still to be selected
 - Petrol: already selected
 - Gray: preselected (default)
- Graphical highlighting of the individual configuration steps: "What you see is what you get"

The screenshot shows the Siemens Product Configurator interface. On the left, there's a sidebar with a teal header containing the Siemens logo and 'Product Configurator'. Below it are sections for 'Product list' (with a sub-section 'Manage, duplicate and edit your previous configurations'), '1 Item in list' (a 'Circuit Breaker' entry with a green checkmark indicating 'Configuration complete'), and 'Default data' and 'Documents & downloads' buttons. To the right, a large panel displays 'Your total summary' with a 'on request' section and a 'Results & Documents' button. At the bottom of the main area, there are links for 'Help documentation', 'Corporate Information', 'Terms of Use', 'Privacy Notice', 'Cookie Policy', and 'Digital certificates'. The footer includes the text 'SitePortal' and '© Siemens AG 2012-2022'.

Configuration complete

This screenshot shows the configuration details for a 'Circuit Breaker' (3WT1208-0X002-1MA1-Z). The left side features a navigation tree with categories like 'Basic Configuration', 'Auxiliary Relays', and 'Accessories'. The main panel is divided into several sections: 'Assembly Connection' (Type of mounting: Power mounted), 'Closing Unit' (Operating voltage: 24-32 V DC), 'Trip Unit' (Suggested configurations: IP20, Protection function: I20, Communication capability: No, Monitoring function: No), and 'Communication' (No product details are currently available yet). A preview window on the right shows the physical appearance of the circuit breaker with its configuration status as 'Configuration complete'.

Responsive design (adapted to the differing requirements of the displaying devices)



Dynamic customer price during configuration

Three screenshots of the Siemens product configuration interface are displayed side-by-side. The left screenshot shows a 'Summary' page with sections for 'Downloads and links' (including a PDF document) and 'Commercial product data' (listing Price, Weight, and Product code). The middle screenshot shows a detailed configuration page for a 'Circuit Breaker' with specific model information and configuration status. The right screenshot shows another configuration page with a similar layout, demonstrating how the interface adapts to different product types and configurations.

Structure of the article numbers

Basic configuration for AC circuit breakers and AC non-automatic circuit breakers up to 800 V

The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your air circuit breaker, please use our online configurator at www.siemens.com/lowvoltage/3wt1-configurator

1

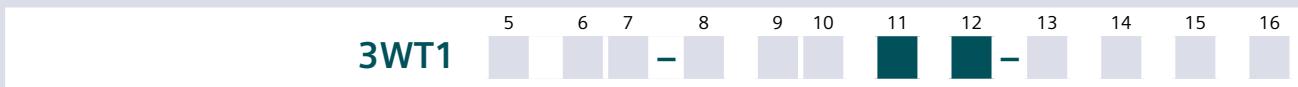
		5	6	7	8	9	10	11	12	13	14	15	16
3WT1													
Circuit breakers and non-automatic circuit breakers													
Frame size (FS)	1		1										
	2		2										
		FS1	FS2										
Max. rated current $I_{n\max}$	400 A	■	–		0	4							
	630 A	■	■		0	6							
	800 A	■	■		0	8							
	1000 A	■	■		1	0							
	1250 A	■	■		1	2							
	1600 A	■	■		1	6							
	2000 A	–	■		2	0							
	2500 A	–	■		2	5							
	3200 A	–	■		3	2							
	4000 A	–	■		4	0							
Breaking capacity I_{cu} (IEC 60947-2)	At 500 V	N	■	–	55 kA		2						
	At 500 V	S	■	■	66 kA		3						
	At 440 V	M	■	■	66/85 kA		4						
	At 690 V	H	■	■	50 kA		5						
	At 690 V	C	–	■	66 kA ²⁾		6						
	At 800 V	P	–	■	66 kA ²⁾		7						
AC Non-automatic circuit breakers		A	A										
AC Non-automatic circuit breakers, ready4COM													
		C	A										
Application packages with protective and measurement functions for circuit breakers	Electronic trip unit ETU300WT	Protective function	LSI		A	B							
			LSIG		A	D							
	Electronic trip unit ETU400WT	Current metering	LSI		A	M							
			LSIG		A	N							
	Electronic trip unit ETU500WT	Current metering	LSI		A	E							
			LSIG		A	K							
	Electronic trip unit ETU500WWT with BSS200WT	Current metering, ready4COM	LSI		C	E							
			LSIG		C	K							
	Electronic trip unit ETU500WT with VT-M640WT and BSS200WT, voltage tap on bottom busbars $U_e \leq 800$ V AC	MF-I, ready4COM	LSI		E	E							
			LSIG		E	K							
		MF-II, ready4COM	LSI		F	E							
			LSIG		F	K							
Number of poles	Fixed-mounted		3-pole		0								
			4-pole		1								
	Withdrawable	Without position signaling switch	3-pole		3								
			4-pole		4								
		With position signaling switch ¹⁾	3-pole		6								
			4-pole		7								

¹⁾ Position signaling switch for circuit breakers/non automatic circuit breakers with ready4COM:

1 x connected, 1 x test, 1 x disconnected, include COM connection (disconnected, absent);
Position signaling switch for circuit breakers/non automatic circuit breakers without ready4COM:

3 x connected, 2 x test, 1 x disconnected

²⁾ FS 2: 630 ... 4000 A



Connection

Type of mounting	Fixed-mounted	Vertical		1
		Horizontal ¹⁾		2
		Front two holes ^{1) 2)}		3
		Vertical on top/horizontal at the bottom ¹⁾		5
		Horizontal on top/vertical at the bottom ¹⁾		6
Withdrawable	Without guide frame	3-pole	3	0 ³⁾
		4-pole	4	0 ³⁾
	Vertical			1
		Horizontal ¹⁾		2
		Front two holes ^{1) 4)}		3
		Vertical on top/horizontal at the bottom ¹⁾		5
		Horizontal on top/vertical at the bottom ¹⁾		6

¹⁾ Up to 3200 A

²⁾ Not mounted on breakers.

³⁾ Not for 4000 A

⁴⁾ Not mounted on breakers. Not valid for 3200A C/P class.

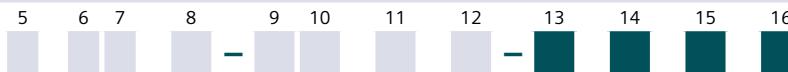
Structure of the article numbers

Basic configuration for AC circuit breakers and AC non-automatic circuit breakers up to 800 V

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For a complete and valid configuration of your air circuit breaker, please use our online configurator at www.siemens.com/lowvoltage/3wt1-configurator

1

3WT1



Closing coil and remote reset, spring charging motor and auxiliary releases, auxiliary switches

3WT1			5	6	7	8	–	9	10	11	12	–	13	14	15	16
Closing coil and remote reset, spring charging motor and auxiliary releases, auxiliary switches																
Closing coil and remote reset	Without closing coil	Without remote reset											0			
	With closing coil (CC) for continuous duty, 100% ED	Without remote reset	24 V DC										1			
		110 ... 127 V AC/110 ... 125 V DC											2			
		220 ... 240 V AC/220 ... 250 V DC											3			
		With remote reset	24 V DC										5 ¹⁾			
		110 ... 127 V AC/110 ... 125 V DC											6 ¹⁾			
		220 ... 240 V AC/220 ... 250 V DC											7 ¹⁾			
Spring charging motor and 2nd auxiliary release	Without spring charging motor	Without 2nd auxiliary release											A			
	With spring charging motor	24 V DC											B			
		110 ... 127 V AC/110 ... 125 V DC											C			
		220 ... 240 V AC/220 ... 250 V DC											D			
	With 2nd auxiliary release, 100% ED	24 V DC											E			
		110 ... 127 V AC/110 ... 125 V DC											F			
		220 ... 240 V AC/220 ... 250 V DC											G			
	With spring charging motor (M) and 2nd auxiliary release, 100% ED	24 V DC	+ ST 24 V										J			
		24 V DC	+ ST 110 V										K			
		24 V DC	+ ST 220 V										L			
		110 ... 127 V AC/110 ... 125 V DC	+ ST 24 V										P			
		110 ... 127 V AC/110 ... 125 V DC	+ ST 110 V										Q			
		110 ... 127 V AC/110 ... 125 V DC	+ ST 220 V										R			
		220 ... 240 V AC/220 ... 250 V DC	+ ST 24 V										S			
		220 ... 240 V AC/220 ... 250 V DC	+ ST 110 V										T			
		220 ... 240 V AC/220 ... 250 V DC	+ ST 220 V										X			
1st auxiliary release	Without 1st auxiliary release												A			
	With shunt trip (ST), suitable for continuous duty, 100% ED	24 V DC											B			
		110 ... 127 V AC/110 ... 125 V DC											C			
		208 ... 240 V AC/220 ... 250 V DC											D			
	With undervoltage release (UVR), instantaneous (≤ 80 ms), short-time delay (≤ 200 ms)	24 V DC											F			
		110 ... 127 V AC/110 ... 125 V DC											G			
		220 ... 240 V AC/220 ... 250 V DC											H			
		380 ... 415 V AC											J			
	With undervoltage release (UVR-t), adjustable delay 0.2 ... 3.2 s	110 ... 127 V AC/110 ... 125 V DC											L			
		220 ... 240 V AC/220 ... 250 V DC											M			
		380 ... 415 V AC											N			
Auxiliary switches		2 NO, 2 NC											1			
		2 NO, 2 NC, 2 CO											2			
		4 NO, 4 NC											3			
		5 NO, 3 NC											4			
		6 NO, 2 NC											5			

1) Provided later

Accessory options

For a complete and valid configuration of your air circuit breaker, please use our online configurator at www.siemens.com/lowvoltage/3wt1-configurator

To specify the options, add "-Z" to the complete article number and indicate the appropriate order code(s).

3WT1....-....-....-Z

Order code

Option plug for electronic trip unit

- To reduce the rated current of the circuit breaker
 - Only one module is possible per circuit breaker. As standard, the electronic trip unit is equipped with an option plug which is equal to the maximum rated breaker current ($I_{n\max}$).
- The rated current of the selected option plug must be less than $I_{n\max}$.

	Rated current I_n	FS 1	FS 2	
Option plug	400 A	■	■	B04
	630 A	■	■	B06
	800 A	■	■	B08
	1000 A	■	■	B10
	1250 A	■	■	B12
	1600 A	—	■	B16
	2000 A	—	■	B20
	2500 A	—	■	B25
	3200 A	—	■	B32

Closing Coil/Shunt Trip ¹⁾

- Closing Coil (CC-COM)/Shunt Trip (ST-COM), continuous duty, ready4COM

Closing coil (CC-COM)/Shunt trip (ST-COM), continuous duty

E01

Auxiliary switch

Auxiliary switch (AUX)	4 NO + 4 NC	MOC module, fixed-mounted	D04
	2nd trip signal	MOC module, withdrawable	D05
		Trip message with 2 NO	D01
		Trip message with 2 NC	D02
		Trip message with 1 NO/1 NC	D03

Charging signaling switch 1 NO

D06

Indicators, control elements

- Massages and Electric switching on and motor switch

Operations counter 5-digit operating cycles counter

C01

Automatic reset

Automatic reset of the reclosing lockout

K01

CubicleBUS modules with breaker internal and DIN rail mounting set ¹⁾

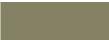
PROFINET IO - Modbus TCP module COM190WT	F19
Modbus RTU module COM150WT	F20

¹⁾ Ready4COM shall be selected

To specify the options, add "-Z" to the complete article number and indicate the appropriate order code(s).

3WT1....-....-....-Z

Order code



Interlock system

Locking device consisting of safety locks or padlocks to prevent unauthorized closing of the circuit breaker ¹⁾	Mounting set for 3WT lock, CASTELL or FORTRESS lock ⁴⁾	CASTELL lock (FS 2) or FORTRESS lock (H31LH/65°/standard)	S05
	Safety lock (3SB1) instead of the OFF button	Made by CES Normal lock no. SSG 10	S10

Mechanical interlock

Mechanical interlock to prevent opening of the circuit breaker compartment door when the circuit breaker is closed	For fixed-mounted breakers, can be defeated	S30
	For withdrawable circuit breakers, can be defeated	S31

Mutual mechanical interlocking with bowden cable for circuit breakers

Mutual mechanical interlocking	An interlock module with a Bowden wire (2 m)	For one fixed-mounted circuit breaker	S55
		For one withdrawable circuit breaker	R55

Door sealing frames. Hoods. Support brackets. Sealing cap over OFF button

Door sealing frame	IP41	Spare part for Z option T40	T40
Sealing cap over OFF button			T41

Arc chute covers

For withdrawable circuit breakers	R10
For fixed-mounted circuit breakers ²⁾	R20

Accessories for Panel Boards

Phase barrier ³⁾	P01
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Special hardware design

Tin surface for main connections for guide frame	Only for 4000A	D08
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Language

Table Language	Chinese/English	L02
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¹⁾ Applicable for locks

²⁾ Not applicable to front-connection

³⁾ Not applicable for FS 1 withdrawable with front-connections

⁴⁾ Interlock to be obtained from the lock manufacturer

Accessory options

Further technical specifications

1

Manual operating mechanism

Switching on/charging energy store

Maximum force required to operate the hand lever	210 N
Required number of strokes on the hand lever	5

Closing Coil (CC/CC-COM) Y1, continuous duty

Rated operational voltage

Rated control supply voltage U_s	24 V DC 110 ... 127 V AC/110 ... 125 V DC 220 ... 240 V AC/220 ... 250 V DC
------------------------------------	---

Operating range

Extended operating range for battery operation ¹⁾	24 V DC, 110 V DC, 220 V DC	0.85 ... 1.26 U_s
--	-----------------------------	---------------------

Operation

Power input	AC/DC	20 VA/W
Minimum command duration at U_s for the activation solenoid		60 ms
Total closing time at U_s after start of closing command for the activation solenoid, suitable for synchronizing tasks		≤ 80 ms

Fuse protection of the control circuit

Short-circuit protection, smallest permissible DIAZED fuse (operational class gL)/miniature circuit breaker with C-characteristic	1 A TDz (time-lag)/1 A
---	------------------------

Spring charging motor

Rated operational voltage

Rated control supply voltage U_s	24 V DC 110 ... 127 V AC/110 ... 125 V DC 220 ... 240 V AC/220 ... 250 V DC
------------------------------------	---

Primary operating range

Operating range	0.7 ... 1.1 U_s
Extended operating range for battery operation ¹⁾	24 V DC, 110 V DC, 220 V DC

Operation

Power input	AC/DC	50 VA/W
Time required to charge the stored-energy mechanism	1 $\times U_s$	20 s

Fuse protection of the control circuit

Motor and activation solenoid for the same rated control supply voltages	$U_s = 24$ V	2 A TDz (Time-lag)/2 A
Smallest permissible DIAZED fuse (operational class gL)/miniature circuit breaker with C-characteristic	$U_s = 110 \dots 127$ V	1 A TDz (Time-lag)/1 A
	$U_s = 220 \dots 250$ V	1 A TDz (Time-lag)/1 A

Auxiliary releases

Shunt release (ST/ST-COM) F1, F2, continuous duty

Operating value	Pickup	0.7 $\times U_s$ (circuit breaker is tripped)
Operating range		0.7 ... 1.1 U_s
For continuous command (100% duty ratio), locks out on momentary-contact commands		
Extended operating range for battery operation ¹⁾	24 V DC, 110 V DC, 220 V DC	0.7 ... 1.26 U_s
Rated control supply voltage U_s	AC 50/60 Hz	110 ... 127 V, 220 ... 240 V
	DC	24 V, 110 ... 125 V, 220 ... 250 V
Power input	AC/DC	20 VA/W
Minimum command duration at U_s		60 ms
Opening time of circuit breaker at $U_s = 100\%$	AC/DC	≤ 80 ms

¹⁾ The operating range is only permissible for the specified rated voltages and corresponds to the battery charging voltage.

Auxiliary releases

Under-voltage release (F3) and (F8)

Rated control supply voltage U_s		24 V DC (only for F3) 110 ... 127 V AC/110 ... 125 V DC 220 ... 240 V AC/220 ... 250 V DC 380 ... 415 V AC
Operating value	Pickup	$\geq 0.85 \times U_s$ (circuit breaker can be closed)
	Dropout	(0.35 ... 0.7) $\times U_s$ (circuit breaker is tripped)
Operating range		0.85 ... 1.1 $\times U_s$
For continuous command (100% duty ratio), locks out on momentary-contact commands	24 V DC, 110 V DC, 220 V DC	0.7 ... 1.26 $\times U_s$
Extended operating range for battery operation¹⁾		
Rated control supply voltage U_s	AC 50/60 Hz	110 ... 127 V, 220 ... 240 V, 380 ... 415 V
	DC	24 V, 110 ... 125 V, 220 ... 250 V
Power input	AC/DC	20 VA/W
Minimum command duration at U_s		
Opening time of circuit breaker at $U_s = 0$		
Version "r" (F3)	Instantaneous	≤ 100 ms
	With 100 ms delay	≤ 300 ms
Version "rc" (F8)	With delay	0.2 ... 3.2 s
	Reset via additional NC contact – direct switching-off	≤ 100 ms
Fuse protection of the control circuit		
Smallest permissible DIAZED fuse (operational class gL)/miniature circuit breaker with C-characteristic		1 A TDz (time-lag)/1 A

Auxiliary Switch

Contact position-driven auxiliary switches (S1 – S6, S60, S61)

Rated operating voltage U_e		400 V
Rated insulation voltage U_i	AC/DC	400 V
Breaking capacity		
Rated control supply voltage U_s, I_e	AC12	24 V 110 V 220/230 V 380/400 V
	AC15	24 V 110 V 220/230 V 380/400 V
	DC12	24 V 110 V 220/230 V 380/400 V
	DC15	24 V 110 V 220/230 V 380/400 V

Short-circuit protection²⁾

Largest permissible DIAZED fuse (operational class gL/gG)	10 A TDz, 16 A Dz
Largest permissible miniature circuit breaker with C-characteristic	10 A

¹⁾ The operating range is only permissible for the specified rated voltages and corresponds to the battery charging voltage.

²⁾ Without any welding of the contacts only at $I_k \leq 1$ kA in accordance with IEC 60947-5-1.

Accessory options

Further technical specifications

1

Position signaling switches on guide frame

Type	CO (w/o COM and with COM)		
Contact reliability	From 1 mA at 5 V DC		
Rated insulation voltage U_i	250 V DC/250 V AC 50/60 Hz		
Rated impulse withstand voltage U_{imp}	4 kV		
Connection type	Spring-loaded terminals		
Conductor cross-section that can be connected by customer	$1 \times 0.5 \text{ mm}^2$ (AWG 20) ... $1 \times 2.5 \text{ mm}^2$ (AWG 14)		
Fuse protection of the control circuit			
Smallest permissible DIAZED fuse (operational class gL)	6 A Dz (quick)		
Breaking capacity			
Rated operational current I_e	DC12	24 V 110 ... 127 V 220 ... 240 V	5 A 0.4 A 0.2 A
	DC13	24 V 110 ... 127 V 220 ... 240 V	2.5 A 0.2 A 0.1 A
	AC12	$\leq 240 \text{ V}$	6 A
	AC13	< 220 V 220 ... 240 V	5 A 4 A

The COM (X89) contacts may only be connected to the communications module.

Spring Charge Signaling Switch (S21)

Type	NO contact		
Contact stability from	30 mA at 10 V DC		
Rated insulation voltage U_i	250 V DC/250 V AC 50/60 Hz		
Fuse protection of the control circuit			
Smallest permissible DIAZED fuse, gL	2 A Dz (quick-response)		
Breaking capacity			
Rated operational current I_e	DC12	24 V 110 ... 127 V 220 ... 240 V	5 A 0.4 A 0.2 A
	DC13	24 V 110 ... 127 V 220 ... 240 V	2 A 0.2 A 0.1 A
	AC12	110 ... 127 V 220 ... 240 V	6 A 6 A
	AC13	110 ... 127 V 220 ... 240 V	3 A 2.5 A

Ready-to-close signaling switch (S7) and "tripped" signaling switch (S11/S71/S72/S74)

Switching capacity			
Rated control supply voltage U_s , I_e	AC, 50/60 Hz	110 V	0.14 A
	DC	220 V 24 V 220 V	0.1 A 0.2 A 0.1 A
Short-circuit protection ¹⁾			
Largest permissible DIODE fuse (operational class gL)		2 A Dz (quick)	
Tripped signaling switch (S11/S71/S72/S74)			
Signal duration after tripping		continuous, until reset	

Mechanism Operated Contacts (MOC module)

Type			
Rated insulation voltage U_i		250 V	
Rated impulse withstand voltage U_{imp}		2.5 kV	
Breaking capacity			
Rated control supply voltage U_s , rated current I_e	AC12	110 ... 127 V	6 A
		220 ... 240 V	6 A
	AC15	110 ... 127 V	3 A
		220 ... 240 V	2.5 A
	DC12	24 V	5 A
		110 ... 127 V	0.4 A
		220 ... 240 V	0.2 A
	DC13	24 V	2 A
		110 ... 127 V	0.2 A
		220 ... 240 V	0.1 A

Remote trip alarm reset (F7)

Rated operational voltage			
Rated control supply voltage U_s		24 V DC	
		110 ... 125 V DC/110 ... 127 V AC	
Primary operating range		220 ... 250 V DC/220 ... 240 V AC	
Primary operating range (acc. to IEC 60947-2)		0.85 ... 1.1 U_s	
Operation			
Power consumption	AC/DC	300 VA/W	
Minimum command time at $1 \times U_s$		100 ms	

¹⁾ Without any welding of the contacts only at $I_k \leq 1$ kA in accordance with IEC 60947-5-1.

Accessory options

Further technical specifications

ETU500WT

Power supply

Method of power supply	Self-powered by current transformer or power supply unit DC
DC power supply unit	IEC 61558 SELV/PELV
Rated control supply voltage U_s	24 V DC
Primary operating range	Us ±20%
Power consumption	2.9 W
Max. current consumption	0.12 A
Max. starting current	0.35 A
Oversupply category	CAT I
Integrated short-circuit protection	Yes
Protected against polarity reversal	Yes

Summary of power consumption data

Components	Voltage	Power consumption
ETU500WT	24 V DC	2.9 W
Closing coil CC/CC-COM 100% ED	24 V DC 110 ... 127 V AC/110 ... 125 V DC 208 ... 240 V AC/220 ... 250 V DC	20 W 20 VA/W 20 VA/W
Shunt trip ST/ST-COM 100% ED	24 V DC 110 ... 127 V AC/110 ... 125 V DC 208 ... 240 V AC/220 ... 250 V DC	20 W 20 VA/W 20 VA/W
Spring charging motors	24 V DC 110 ... 127 V AC/110 ... 125 V DC 208 ... 240 V AC/220 ... 250 V DC	40 W 50 VA/W 50 VA/W
Remote reset magnets (5% ED)	24 V DC 110 ... 127 V AC/110 ... 125 V DC 208 ... 240 V AC/220 ... 250 V DC	200 W 300 VA/W 250 VA/W
Undervoltage releases (UVR/UVR-t)	24 V DC 110 ... 127 V AC/110 ... 125 V DC 208 ... 240 V AC/220 ... 250 V DC 380 ... 415 V AC	20 W 20 VA/W 20 VA/W 20 VA
COM190WT/COM150WT	24 V DC	1 W

Guide frames for AC

The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your guide frame, please use our online configurator at
www.siemens.com/lowvoltage/3wt1-configurator

1

		3WT6		5	6	7	8	9	10	11	12	13	14	15	16
							-					-			
Frame size		FS 1			1										
		FS 2			2										
			FS 1												
			FS 2												
Max. rated current $I_{n \max}$ (Generate the selection of positions 6, 7 and 8 according to the list below)		400 ... 1250 A		■	-		1	2							
		1600 A		■	-		1	6							
		630 ... 2500 A		-	■		2	5							
		3200 A		-	■		3	2							
		4000 A		-	■		4	0							
Breaking capacity I_{cu} (Generate the selection of positions 6, 7 and 8 according to the list below)		At 500 V	N	■	-	55 kA		2							
		At 500 V	S	■	■	66 kA		3							
		At 440 V	M	■	■	66/85 kA		4							
		At 690 V	H	■	■	50 kA		5							
		At 690 V	C	-	■	66 kA		6							
		At 800 V	P	-	■	66 kA		7							
Market (Standard)		IEC 60947-2 Circuit-breaker					A								
Distribution network		AC					A								
Number of poles		3-pole						3							
		4-pole						4							
			FS 1												
			FS 2												
Connection technology		Drawable versions	■	■	Vertical				1						
			■	■	Horizontal				2						
			■	■	Front two holes (not for 4000 A)				3						
			■	■	Top vertical/bottom horizontal				5						
			■	■	Top horizontal/bottom vertical				6						

The following combinations of positions 6, 7 and 8 of the article number are technically feasible

Size	Breaking capacity at $I_{n \max}$	400 A	630 A	800 A	1000 A	1250 A	1600 A	2000 A	2500 A	3200 A	4000 A
		Representation 6, 7, 8									
1	N	12-2	12-2	12-2	12-2	12-2	16-2	-	-	-	-
	S	12-3	12-3	12-3	12-3	12-3	16-3	-	-	-	-
	M	12-4	12-4	12-4	12-4	12-4	16-4	-	-	-	-
	H	12-5	12-5	12-5	12-5	12-5	16-5	-	-	-	-
2	S	-	25-3	25-3	25-3	25-3	25-3	25-3	25-3	32-3	40-3
	M	-	25-4	25-4	25-4	25-4	25-4	25-4	25-4	32-4	40-4
	H	-	25-5	25-5	25-5	25-5	25-5	25-5	25-5	32-5	40-5
	C	-	25-6	25-6	25-6	25-6	25-6	25-6	25-6	32-6	40-6
	P	-	25-7	25-7	25-7	25-7	25-7	25-7	25-7	32-7	40-7

Guide frames for AC

The structure shown below is intended as an overview of each position and its meaning.
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3WT6		5	6	7	8	9	10	11	12	13	14	15	16		
Fixed by 1										1					
Connection type auxiliary contacts, numbers of auxiliary connections		Standard	2 pieces			–	–	X200	X100	A					
			3 pieces			–	X300	X200	X100	B					
			4 pieces			X400	X300	X200	X100	C					
Position indication contacts		Standard	Without position signal switch										A		
			Position signal switch (3 × connected, 2 × test, 1 × disconnected)										C		
		ready4COM connection (disconnected, absent)	Position signal switch (1 × connected, 1 × test, 1 × disconnected) include COM connection (disconnected, absent)										G		
Fixed by 1												1			

Accessories and spare parts

Accessories for 3WT1

Current Sensors		
Version		Article No.
External metering current sensor for N conductor, window type (without copper bar)	FS 1	3WT9111-0AA21
	FS 2	3WT9111-0AA22
External metering current sensor for N conductor, for bus bar connection (with copper bar)	FS 1	3WT9111-0AA31
	FS 2	3WT9111-0AA32
Secondary disconnections		
Screw connection terminals (Standard)		3WT9111-0AB03
Push-in connection terminals		3WT9111-0AB04
Sliding disconnect secondary contact module	For guide frame	3WT9111-0AB08
Hook adapter, coding piece, standard	Coding piece (Standard and long for adapter)	3WT9111-1AB13
Sliding contact module	Standard	3WT9111-1AB14
Closing Coil/Shunt Trip		
Version		Article No.
Closing coil (CC)/Shunt trip (ST), continuous duty	24 V DC	3WT9111-0AD02
	110 ... 127 V AC/110 ... 125 V DC	3WT9111-0AD05
	220 ... 240 V AC/220 ... 250 V DC	3WT9111-0AD06
Closing coil (CC-COM)/Shunt trip (ST-COM), continuous duty, ready4COM, spare parts for E01 ¹⁾	24 V DC	3WT9111-0AD32
	110 ... 127 V AC/110 ... 125 V DC	3WT9111-0AD35
	220 ... 240 V AC/220 ... 250 V DC	3WT9111-0AD36
Undervoltage releases		
Version		Article No.
Undervoltage release (UVR)	24 V AC	3WT9111-0AE02
	110 ... 127 V AC/110 ... 125 V DC	3WT9111-0AE05
	220 ... 240 V AC/220 ... 250 V DC	3WT9111-0AE06
	380 ... 415 V AC	3WT9111-0AE07
Undervoltage release with time delay (UVR-t)	110 ... 127 V AC/110 ... 125 V DC	3WT9111-0AE15
	220 ... 240 V AC/220 ... 250 V DC	3WT9111-0AE16
	380 ... 415 V AC	3WT9111-0AE17
Spring charging motor		
Version		Article No.
Spring charging motor (M)	24 V DC	3WT9111-0AF11
	110 ... 127 V AC/110 ... 125 V DC	3WT9111-0AF12
	220 ... 240 V AC/220 ... 250 V DC	3WT9111-0AF13
Auxiliary switch		
Version		Article No.
Auxiliary switch (AUX)	2 CO	3WT9111-0AG01
	2 NO + 2 NC	3WT9111-0AG02
	3 NO + 1 NC (for 5 NO + 3 NC)	3WT9111-0AG03
	4 NO (for 6 NO + 2 NC)	3WT9111-0AG04
	4 NO + 4 NC, MOC module for fixed-mounted breaker, spare parts for D04	3WT9111-0AG07 new ²⁾
	4 NO + 4 NC, MOC module for withdrawable breaker, spare parts for D05	3WT9111-0AG08 new ²⁾
	2nd trip signal, spare parts for D01, D02, D03	Trip message with 2 NO 3WT9111-0AG11 new ²⁾
		Trip message with 2 NC 3WT9111-0AG12 new ²⁾
		Trip message with 1 NO/1 NC 3WT9111-0AG13 new ²⁾
Charging signaling switch 1 NO, spare parts for D06		3WT9111-0AG16 new ²⁾

¹⁾ To ensure the release works properly, the induced voltage shall be less than 40% of the rated voltage.

²⁾ New compare to 3WT8

Accessories for 3WT1

Indicators, control elements (Messages and electric switching on and motor switch)			
Version			Article No.
Operations counter, spare parts for C01	5-digit operating cycles counter		3WT9111-OAH04
Position signalling switch module	3 x connected, 2 x test, 1 x disconnected PSS		3WT9111-OAH11
	1 x connected, 1 x test, 1 x disconnected, include COM connection (disconnected, absent) PSSCOM (ready4COM)		3WT9111-OAH21 ²⁾ new
Crank handle for withdrawable circuit-breaker			3WT9111-OAH31
ETU, protective functions, metering, accessories for ETU			
Version			Article No.
Electronic trip unit	ETU300WT	LSI/LSIG	3WT9111-2EE32
	ETU400WT	LSI/LSIG	3WT9111-2EE42 new
	ETU500WT	LSI/LSIG	3WT9111-2EE52
Replacement battery for ETU500WT			3WT9111-OEE81
Bluetooth- and USB-C interface TUI600WT			3WT9111-OEE82
Enhanced protective functions	Under voltage, over voltage		3WT9111-OES13 ¹⁾
Metering values, upgrade metering: MF2	Power, power factor, frequency, unbalance		3WT9111-OES52 ¹⁾
Voltage tap module VTM640WT			3WT9111-OEM11
Cover for electronic trip unit	ETU300WT		3WT9111-OEM21
	ETU400WT		3WT9111-OEM23 new
	ETU500WT		3WT9111-OEM22
Automatic reset of the reclosing lockout			3WT9111-OEM31
Remote trip alarm reset coil (RR), momentary duty	24 V DC		3WT9111-OEM42
	110 ... 127 V AC/110 ... 125 V DC		3WT9111-OEM45
	220 ... 240 V AC/220 ... 250 V DC		3WT9111-OEM46
Option Plug			
Version			Article No.
Option Plug with protective function LSI	400 A		3WT9111-OEB04
	630 A		3WT9111-OEB06
	800 A		3WT9111-OEB08
	1000 A		3WT9111-OEB10
	1250 A		3WT9111-OEB12
	1600 A		3WT9111-OEB16
	2000 A		3WT9111-OEB20
	2500 A		3WT9111-OEB25
	3200 A		3WT9111-OEB32
	4000 A		3WT9111-OEB40
Option Plug with protective function LSIG GF	400 A		3WT9111-1EG04
	630 A		3WT9111-1EG06
	800 A		3WT9111-1EG08
	1000 A		3WT9111-1EG10
	1250 A		3WT9111-1EG12
	1600 A		3WT9111-1EG16
	2000 A		3WT9111-1EG20
	2500 A		3WT9111-1EG25
	3200 A		3WT9111-1EG32
	4000 A		3WT9111-1EG40
Adapter for connecting the ETU300WT to the TD400			
Version			Article No.
Via the adapter, the ETU300WT can be connected to the TD400 to supply it with an external voltage. There is no parameterization or documentation option via SENTRON Powerconfig.			3VW9011-0AT46

¹⁾ Provided later²⁾ New compare to 3WT8

Accessories and spare parts

Accessories for 3WT1

CubicleBUS modules, display

Version	Article No.
CubicleBUS modules with breaker internal and DIN rail mounting set	PROFINET IO – Modbus TCP module COM190WT Modbus RTU module COM150WT
Terminator, cables, adapters	CubicleBUS terminating resistor (2 Versions, LONG for secondary disconnect, SHORT for CubicleBUS modules)
	Adapter for secondary disconnect mounting 1 unit
	DIN rail adapter 1 unit
	Adapter for COM module mounting withdrawable 1 unit

Locking Devices, locking mechanisms, interlocks

Version	Article No.						
Interlock system 3WT locks	<ul style="list-style-type: none"> 2 of the same keys for 3 circuit breakers Locking device in OFF position Lock in the operator panel A maximum of 2 circuit breakers can be switched on Preparation for CASTELL lock is necessary 						
	<ul style="list-style-type: none"> 3 of the same keys for 4 circuit breakers Locking device in OFF position Lock in the operator panel A maximum of 3 circuit breakers can be switched on Preparation for CASTELL lock is necessary 						
	<ul style="list-style-type: none"> 4 of the same keys for 5 circuit breakers Locking device in OFF position Lock in the operator panel A maximum of 4 circuit breakers can be switched on Preparation for CASTELL lock is necessary 						
	<ul style="list-style-type: none"> 5 of the same keys for 6 circuit breakers Locking device in OFF position Lock in the operator panel A maximum of 5 circuit breakers can be switched on Preparation for CASTELL lock is necessary 						
Locking device consisting of safety locks or padlocks to prevent unauthorized closing of the circuit breaker	<p>Mounting set for 3WT lock, CASTELL (FS 2) or FORTRESS lock (H31LH/65°/standard) Interlock to be obtained from the lock manufacturer, spare parts for S05</p> <p>Safety lock (3SB1) instead of the OFF button Made by CES, normal lock no. SSG 10, spare parts for S10</p>						
Mechanical interlock to prevent opening of the circuit breaker compartment door when the circuit breaker is closed	<p>For fixed-mounted design only, can be defeated, spare parts for S30</p> <p>For withdrawable design only, can be defeated, spare parts for S31</p>						
Mutual mechanical interlocking with bowden cable for circuit breakers	<p>Mutual mechanical interlocking, an interlock module with a Bowden wire (2 m), spare parts for S55, R55</p> <table border="1"> <tr> <td>For one fixed-mounted circuit breaker</td> <td>3WT9111-0BB21</td> </tr> <tr> <td>For one withdrawable circuit breaker</td> <td>3WT9111-1BB22</td> </tr> </table> <p>Mutual mechanical interlock bowden cable (2 m) Interlocking of three circuit breakers</p>	For one fixed-mounted circuit breaker	3WT9111-0BB21	For one withdrawable circuit breaker	3WT9111-1BB22		
For one fixed-mounted circuit breaker	3WT9111-0BB21						
For one withdrawable circuit breaker	3WT9111-1BB22						
	<table border="1"> <tr> <td>Additional Bowden wire required for each circuit breaker Bowden wire (2 m)</td> <td>3WT9111-0BB40</td> </tr> <tr> <td>Mutual mechanical interlock bowden cable, 3 m</td> <td>3WT9111-0BB41</td> </tr> <tr> <td>Mutual mechanical interlock bowden cable, 4.5 m</td> <td>3WT9111-0BB42</td> </tr> </table>	Additional Bowden wire required for each circuit breaker Bowden wire (2 m)	3WT9111-0BB40	Mutual mechanical interlock bowden cable, 3 m	3WT9111-0BB41	Mutual mechanical interlock bowden cable, 4.5 m	3WT9111-0BB42
Additional Bowden wire required for each circuit breaker Bowden wire (2 m)	3WT9111-0BB40						
Mutual mechanical interlock bowden cable, 3 m	3WT9111-0BB41						
Mutual mechanical interlock bowden cable, 4.5 m	3WT9111-0BB42						

¹⁾ Mandatory for 3WT locks

²⁾ New compare to 3WT8

Accessories for 3WT1

Main conductor connections fixed-mounted versions (essential accessory)

Version					Article No.
Front-accessible main connections according to DIN 43673, double hole	Fixed-mounted	FS 1	≤ 1250 A, 1600 A N class	1 unit	3WT9111-0AL11
			1600 A S/M/H class	1 unit	3WT9111-0AL12
	FS 2		Up to 2500 A S/M/H/C/P class	1 unit	3WT9111-0AL21
			3200 A S/M/H class	1 unit	3WT9111-0AL22
Rear vertical main connections	Top or bottom, fixed-mounted	FS 1	≤ 1250 A, 1600 A N class	1 unit	3WT9111-0AM11
			1600 A S/M/H class	1 unit	3WT9111-0AM12
		FS 2	Up to 2500 A 3-pole	1 set	3WT9111-0AM21
			Up to 2500 A 4-pole	1 set	3WT9111-0AM22
			3200 A S/M/H/C/P class 3-pole	1 set	3WT9111-0AM23
	Top or bottom, tin-plated, fixed-mounted, spare parts for D08	FS 2	3200 A S/M/H/C/P class 4-pole	1 set	3WT9111-0AM24
			4000 A S/M/H/C/P class 3-pole	1 set	3WT9111-0AM25
			4000 A S/M/H/C/P class 4-pole	1 set	3WT9111-0AM26
			4000 A S/M/H/C/P class 3-pole	1 set	3WT9111-0AM27
			4000 A S/M/H/C/P class 4-pole	1 set	3WT9111-0AM28

Main conductor connections withdrawable versions (essential accessory)

Version					Article No.
Front-accessible main connections according to DIN 43673, double hole	Withdrawable	FS 1	≤ 1250 A, 1600 A N class	1 unit	3WT9111-0AN11
			1600 A S/M/H class	1 unit	3WT9111-0AN12
	FS 2		Up to 2500 A S/M/H/C/P class	1 unit	3WT9111-0AN21
			3200 A S/M/H class	1 unit	3WT9111-0AN22
Rear vertical main connections	Top or bottom, withdrawable	FS 1	≤ 1250 A, 1600 A N class	1 unit	3WT9111-0AV11
			1600 A S/M/H class	1 unit	3WT9111-0AV12
		FS 2	Up to 2500 A 3-pole	1 set	3WT9111-0AV21
			Up to 2500 A 4-pole	1 set	3WT9111-0AV22
			3200 A S/M/H/C/P class 3-pole	1 set	3WT9111-0AV23
	Top or bottom, tin-plated, withdrawable, spare parts for D08	FS 2	3200 A S/M/H/C/P class 4-pole	1 set	3WT9111-0AV24
			4000 A S/M/H/C/P class 3-pole	1 set	3WT9111-0AV25
			4000 A S/M/H/C/P class 4-pole	1 set	3WT9111-0AV26
			4000 A S/M/H/C/P class 3-pole	1 set	3WT9111-0AV27
			4000 A S/M/H/C/P class 4-pole	1 set	3WT9111-0AV28

Accessories and spare parts

1

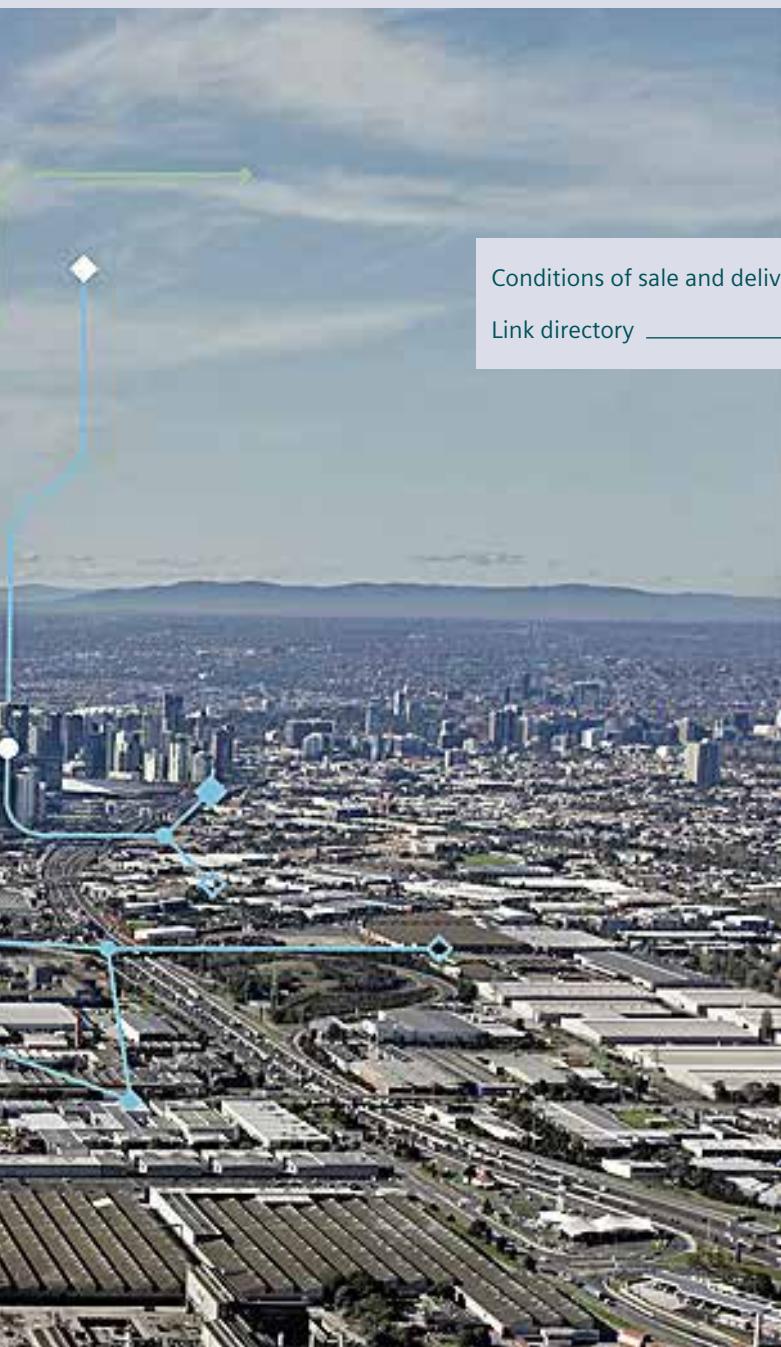
Accessories for 3WT1

Main conductor connections withdrawable versions (essential accessory)					
Version					Article No.
Rear horizontal main connections	Top or bottom, withdrawable	FS 1	≤ 1250 A, N/S; 1600 A N, 1 x per connection	1 unit	3WT9111-0AX11
			1600 A S/M/H/C/P class, 1 x per connection	1 unit	3WT9111-0AX12
	FS 2	630 A ... 2500 A S/M/H/C/P class; 1 x per connection	1 unit	3WT9111-0AX21	
			3200 A S/M/H/C/P class; 1 x per connection	1 unit	3WT9111-0AX22
		3200 A C class, 4 holes; 1 x per connection	1 unit	3WT9111-0AX23	
Conversion sets – fixed-mounted circuit breakers into withdrawable circuit breakers					
Version					Article No.
Conversion set for converting fixed-mounted circuit breakers into withdrawable circuit breakers up to 3200 A		FS 1, 3-poles			3WT9111-0BC11
		FS 2, 3-poles			3WT9111-0BC12
		FS 1, 4-poles			3WT9111-0BC14
		FS 2, 4-poles			3WT9111-0BC15
Door sealing frames, hoods, support brackets, sealing cap over OFF button					
Version					Article No.
Door sealing frame		IP41 Spare part for Z option T40			3WT9111-0AP01
Protective cover		IP55 Not possible in combination with door sealing frame			3WT9111-0AP03
Sealing cap over OFF button		Spare parts for T41			3WT9111-0AP04
Shutters					
Version					Article No.
Shutter		FS 1, 3-poles	Up to 1600 A	3WT9111-0AP11	
		FS 2, 3-poles	Up to 4000 A	3WT9111-0AP12	
		FS 1, 4-poles	Up to 1600 A	3WT9111-0AP21	
		FS 2, 4-poles	Up to 4000 A	3WT9111-0AP22	
Arc chutes, arc chute covers					
Version					Article No.
Arc chute		FS 1	Up to 1600 A, 1 piece	3WT9111-0AS01	
		FS 2	630 A ... 4000 A, 1 piece	3WT9111-0AS11	
		FS 2	3200/4000 A C/P class, 1 piece	3WT9111-0AS12	
Arc chute covers	For withdrawable breaker, spare parts for R10	FS 1	For 3-pole breaker	3WT9111-0AS31	
			For 4-pole breaker	3WT9111-0AS32	
		FS 2	For 3-pole breaker	3WT9111-0AS42	
			For 4-pole breaker	3WT9111-0AS43	
	For fixed-mounted breaker, spare parts for R20	FS 1	For 3-pole breaker, 3200/4000 A, C/P class	3WT9111-0AS44	
			For 4-pole breaker, 3200/4000 A, C/P class	3WT9111-0AS45	
		FS 2	For 3-pole breaker, fixed	3WT9111-0AS51 ¹⁾ new	
			For 4-pole breaker, fixed	3WT9111-0AS52 ¹⁾ new	
Accessories for Panel Boards					
Version					Article No.
Phase barrier, spare parts for P01		FS 1	3-pole, fixed-mounted	3WT9111-OPA11	
			3-pole, draw-out	3WT9111-OPA12	
			4-pole, fixed-mounted	3WT9111-OPA13	
			4-pole, draw-out	3WT9111-OPA14	
		FS 2	3-pole, fixed-mounted	3WT9111-OPA21	
			3-pole, draw-out	3WT9111-OPA22	
			4-pole, fixed-mounted	3WT9111-OPA23	
			4-pole, draw-out	3WT9111-OPA24	

¹⁾ New compare to 3WT8



Appendix



Conditions of sale and delivery _____ A/2

Link directory _____ A/4

A

Conditions of sale and delivery

1. General Provisions

By using this catalog you can purchase products (hardware, software and services) described therein from Siemens Aktiengesellschaft subject to the following Terms and Conditions of Sale and Delivery (hereinafter referred to as "T&C"). Please note that the scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. The following T&C apply exclusively for orders placed with Siemens Aktiengesellschaft, Germany.

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- for consulting services the "Allgemeine Geschäftsbedingungen für Beratungsleistungen der Division DF – Deutschland" (available only in German) and/or
- for other services, the "Supplementary Terms and Conditions for Services ("BL")¹⁾ and/or
- for other supplies the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"¹⁾.

In case such supplies should contain Open Source Software, the conditions of which shall prevail over the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"¹⁾, a notice will be contained in the scope of delivery in which the applicable conditions for Open Source Software are specified. This shall apply mutatis mutandis for notices referring to other third party software components.

1.2 For customers with a seat or registered office outside European Union

For customers with a seat or registered office outside European Union, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for consulting services the "Standard Terms and Conditions for Consulting Services of the Division DF for Customers with a Seat or Registered Office Outside of Germany"¹⁾ and/or
- for other services the "International Terms & Conditions for Services"¹⁾ supplemented by "Software Licensing Conditions"¹⁾ and/or
- for other supplies of hard- and software the "International Terms & Conditions for Products"¹⁾ supplemented by "Software Licensing Conditions"¹⁾

1.3 For customers with master or framework agreement

To the extent our supplies and/or services offered are covered by an existing master or framework agreement, the terms and conditions of that agreement shall apply instead of T&C.

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The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches apply only to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the individual pages of this catalog – especially with regard to data, dimensions and weights given – these are subject to change without prior notice.

¹⁾ The text of the Terms and Conditions of Siemens AG can be downloaded at https://mall.industry.siemens.com/legal/www/en/terms_of_trade_en.pdf

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The products listed in this catalog may be subject to European/German and/or US export regulations. Any export requiring approval is therefore subject to authorization by the relevant authorities. Errors excepted and subject to change without prior notice.

Link directory

Catalog LV 38

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CAx download manager	www.siemens.com/cax
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SITOP power supplies	www.siemens.com/sitop
Power distribution with Totally Integrated Power	www.siemens.com/tip

Catalogs and further information



LV 10
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SENTRON • SIVACON • ALPHA
PDF (E86060-K8280-A101-B8-7600)



ET D1
Switches and Socket Outlets
DELTA
PDF (SIEP-C10409-00-7600)



LV 13
3WA Air Circuit Breakers
SENTRON
PDF (E86060-K8280-B101-A2-7600)



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SENTRON
PDF (E86060-K8280-E347-B1-7600)



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SIRIUS
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